



COG (ConocoPhillips)

2022 Soil Remediation Summary and Closure Request Report

Scout State COM 605 Frac Spill

Incident # NAPP2213745923

March 2023

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Appendices

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Appendix C. Work Plan

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2022 Soil Remediation Summary and Closure Request Report

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Soil Remediation Summary and Closure Request Report (Report), on behalf of Concho Operating, LLC (COG – now ConocoPhillips), for the release site known as the Scout State Com 605 Frac Spill (Site). Details of the release are summarized in the Initial C-141 Form included as **Appendix A**.

2 Project Summary

The Site is located approximately 9.2 miles southwest of Malaga in Unit D, Section 06, Township 25 South, Range 28 East, Eddy County, New Mexico. A Site Location Map is included as **Figure 1**

2.1 Incident # NAPP2213745923

According to the Initial C-141 Form, on May 05, 2022, a leak was found originating from a lay flat hose. The leak resulted in the release of approximately 83.4 barrels (bbls) of produced water to the ground surface on the pad at the Site. A vacuum truck recovered approximately 60 barrels (bbls) of produced water. The impacted areas measured approximately 15 by 20 feet, 40 by 45 feet, and 40 by 50 feet. The Initial C-141 Form was submitted to the New Mexico Oil Conservation Division (NMOCD) on November 19, 2021 and assigned Incident ID number NAPP2213745923. The Initial C-141 Form is included as **Appendix A** and the Final C-141 is included in **Appendix B**.

3 Site Characterization

Soil assessment activities were performed at the Site in June 2022 by Carmona Resources, LLC to determine the horizontal and vertical extent of the release area. The assessment activities associated analytical soil sample results and the initial proposed remediation/reclamation activities for the impacted areas are detailed in the 2022 Work Plan submitted previously by Carmona Resources, LLC to the NMOCD (see **Appendix C**).

Arcadis began additional assessment activities at the Site on December 6, 2022. Prior to beginning remediation (excavation) activities, twenty-one (21) test pits were completed ranging in depths from two (2) feet bgs (below ground surface) to five (5) feet bgs with the estimated boundaries of the northern and southern areas detailed within the approved Work Plan. Each test trench location was sampled at 1-foot intervals for chloride, and at select depths for (benzene toluene ethylene and xylene) and (total petroleum hydrocarbons) based on previous soil sample data presented in the Work Plan in conjunction with the New Mexico Administrative Code (NMAC) closure criteria in Table I part 19.15.29.12. Analytical soil data reported for soil samples collected from the test trenches is presented in attached **Table 1**. Site remediation activities (excavation) at the Site commenced following evaluation of the test trench soil data results.

Chloride concentrations in soil were determined during excavation activities to be above the applicable NMOCD screening limit of 600 milligrams per kilogram (mg/Kg) for chloride at depths ranging from approximately 0.5 feet bgs to three (3) feet bgs within the northern portions of the pad and within the pasture area north of the well head. No elevated chloride, BTEX or TPH concentrations were identified from soil sample analytical results from test trenching activities conducted along the southern perimeter of the pad.

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4 Closure Criteria for Soils Impacted by a Release

The NMOCD classifies the Site at the most stringent regulatory limits due to it being located within a high karst area. Per Table I of NMAC part 19.15.29.12, the following closure criteria apply to a Site with depth to ground water less than 50 feet bgs and within a high karst area:

Constituent	Limit (mg/Kg)
Chloride	600 mg/Kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/Kg
Benzene	10 mg/Kg

5 Remediation Activities Summary

5.1 Soil Removal

Prior to any intrusive activities, a NM One Call notification and a private utility locate (ground penetrating radar) were conducted to clear the area and identify underground utilities.

Soil remediation activities were performed by Arcadis and McNabb Construction (McNabb) from December 6 through December 19, 2022. During the remediation, Photo-ionization detector (PID) readings, chloride field screening utilizing Hach test strips, and analytical results from the pre-remediation assessment activities were evaluated prior to and during remediation activities to determine the horizontal and vertical extent of soil affected by the release. Based on the chloride concentrations detected during remediation, additional assessment activities were performed to further evaluate the spill footprint. The assessment results revealed that the chlorides detected during the initial assessment were not present in some of the areas and appear to be affected by previous heavy rain events.

Horizontal and vertical delineation of the impacted soil requiring removal was based on samples collected from the perimeter and bottom of the release area. Based on these results, it was estimated that the release covered an approximately 3,600 square (sq) foot (ft) area. Soil analytical results are discussed in **Sections 5.3, 5.4, and 5.5**.

Excavation activities were conducted to a maximum depth of approximately 3 feet bgs north of the release area. Approximately 240 cubic yards of impacted soil were excavated from the spill area. The limits of the excavation are presented on **Figure 2** and **Figure 3**. Excavated soil was stockpiled on-site, adjacent to the release area on 20 mil plastic sheeting and covered with 20 mil plastic sheeting during remediation activities.

The stockpiled soil was disposed offsite at the R360 Red Bluff Landfill facility located at 5053 US Hwy 285, in Orla, Texas as Class 2 non-hazardous material. McNabb transported a total of 15 truckloads of soil directly to the landfill on December 8 through December 16, 2022. Copies of disposal manifests can be provided upon request. Photographic documentation of the excavation activities is attached in the **Photographic Log**.

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5.2 Excavation Confirmation Sampling Activities

Arcadis personnel conducted excavation assessment (test trenching) and confirmation soil sampling activities on December 6, 2022, through January 24, 2023, for laboratory analyses. Following excavation of the impacted area, confirmation soil samples were collected from the sidewalls and bottom of the excavation areas as needed to maintain an approximate 400 sq ft sample spacing or less for both sidewalls and base of the excavated area. Sidewall confirmation sample locations are depicted in **Figure 2** and excavation base confirmation samples are depicted in **Figure 3**. The 400 sq ft sampling variance was approved by Jennifer Nobui of the NMOCD on September 12, 2022.

The soil confirmation soil samples were collected in 4oz jars provided by Eurofins Xenco Analytical Laboratory (Xenco) located in Midland, Texas, then placed on ice and shipped to Xenco and/or Cardinal Laboratory located in Hobbs, NM to be analyzed for chloride by United States Environmental Protection Agency (USEPA) Method 300 or Cl⁻ M 4500 (@ Cardinal Laboratory); TPH by Method 8015 M for gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO); and BTEX by USEPA Methods 8015/8021. Analytical results are shown in **Table 1**, sidewall confirmation sample locations are depicted on **Figure 2**, and excavation base confirmation samples are depicted on **Figure 3**. Laboratory analytical reports are included in **Appendix D**.

5.3 Chloride

All soil samples collected within the excavated area were below the NMAC reclamation limit of 600 mg/Kg.

5.4 TPH

All soil samples collected within the excavated area were below the NMAC screening standard of 100 mg/Kg.

5.5 BTEX

Benzene concentrations were reported below the NMAC standard of 10 mg/Kg at all sample locations. BTEX concentrations were reported below the NMAC standard of 50 mg/Kg at all sample locations.

6 Restoration, Reclamation, and Re-Vegetation Plan

Upon receiving laboratory analytical results from the excavation confirmation soil samples confirming impacted soil over the applicable restoration limits had been removed, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near the original relative positions. The affected area was contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas were located on the production pad. Excavated areas were topped with a topsoil similar to the native surrounding pasture material.

7 Summary

Analytical results associated with recent remediation activities conducted in 2022-23 indicate that the horizontal and vertical extent of chloride, TPH, and BTEX impact in soil above NMAC screening standards for a site with

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depth the groundwater less than 50 feet bgs and within a high karst area have been delineated both horizontally and vertically and have been excavated from the impacted area.

8 Soil Closure Request

Remediation activities were conducted in accordance with the NMOCD stipulations and the approved sampling variance. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria in each of the submitted soil samples for the remediated areas.

Based on laboratory analytical results and field activities conducted to date, Arcadis requests closure be granted to the Scout State Com 605 Frac Spill site for Incident ID number. NAPP2213745923. The Final C-141 Form is included as **Appendix B**.

Tables

Table 1
2022 Soil Sample Analytical Results
Scout State Com 605
COG (ConocoPhillips)

Location ID	Depth (Feet)	Date Collected	Sample Name	Soil Status	BTEX					TPH				CI Method
					Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	Total BTEX mg/kg	Gasoline Range Organics (GRO)- C6-C10 mg/kg	Diesel Range Organics (Over C10-C28) mg/kg	Oil Range Organics (Over C28-C36) mg/kg	Total TPH mg/kg	Chloride, Dissolved mg/kg
NMOCD					10	--	--	--	50	--	--	--	100	600
B - 1	1	12/8/2022	B-1-1'-120822	In-Situ	<0.000426	0.000523 J	<0.000626	<0.00112	NA	31 JBF	37.8 J	<16.5	68.8	80.7
B - 2	1	12/8/2022	B-2-1'-120822	In-Situ	<0.000428	<0.000507	<0.000629	<0.00112	NA	28 JB	31.3 J	<16.6	59.3	121
B - 3	1	12/8/2022	B-3-1'-120822	In-Situ	<0.000421	<0.000498	<0.000617	<0.0011	NA	40.8 JB	27.1 J	<16.2	67.9	63.1
B - 4	1	12/8/2022	B-4-1'-120822	In-Situ	<0.000421	<0.000498	<0.000617	<0.0011	NA	38.5 JB	27.8 J	<16.4	66.3	290
B - 5	1	12/8/2022	B-5-1'-120822	In-Situ	<0.000421	<0.000498	<0.000617	<0.0011	NA	27.5 JB	24.5 J	<16.5	52 J	159
B - 6	2	12/9/2022	B-6-2'-120922	In-Situ	<0.000438	<0.000519	<0.000643	<0.00115	NA	39 JB	20.9 J	<17	59.9	186
B - 7	2	12/9/2022	B-7-2'-120922	In-Situ	<0.000444	<0.000526	<0.000652	<0.00116	NA	45 JB	25.7 J	<17.4	70.7	201
B - 8	2	12/9/2022	B-8-2'-120922	In-Situ	<0.000417	<0.000494	<0.000612	<0.00109	NA	48.8 JB	17.2 J	<16.2	66	90.6
B - 9	2	12/9/2022	B-9-2'-120922	In-Situ	<0.00043	<0.00051	<0.000631	<0.00113	NA	46.9 JB	20.5 J	<16.7	67.4	77.8
B - 10	2	12/9/2022	B-10-2'-120922	In-Situ	<0.000425	<0.000503	<0.000624	<0.00111	NA	49.5 JB	17.5 J	<16.4	67	77.4
B - 11	3	12/14/2022	B-11-3'-121422	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	272
SW - 1	0.5	12/8/2022	SW-1-0.5'-120822	Removed	<0.000424	<0.000502	<0.000622	<0.00111	NA	41.8 JB	82.8	<16.4	125	344
SW-1A	0.5	1/24/2023	SW-1A-0-0.5'-012423	In-Situ	<0.000421	<0.000498	<0.000617	<0.00110	NA	31.3	<16.3	<16.3	31.3	19.3
SW - 2	0.5	12/8/2022	SW-2-0.5'-120822	In-Situ	<0.000428	<0.000507	<0.000628	<0.00112	NA	25.9 JB	24.4 J	<16.5	50.3 J	489
SW - 3	0.5	12/9/2022	SW-3-0.5'-120922	In-Situ	<0.000413	0.0007 J	<0.000606	<0.00108	NA	32.5 JB	25 J	<16.1	57.5	198
SW - 4	0.5	12/9/2022	SW-4-0.5'-120922	In-Situ	<0.000408	<0.000483	<0.000598	<0.00107	NA	20.1 JB	23.1 J	<16	43.2 J	126
SW - 5	1	12/9/2022	SW-5-1'-120922	In-Situ	<0.000417	<0.000493	<0.000611	<0.00109	NA	50.8 JB	16.9 J	<16.3	67.7	122
SW - 6	1	12/9/2022	SW-6-1'-120922	In-Situ	<0.000413	<0.000489	<0.000606	<0.00108	NA	48.4 JB	17.8 J	<16	66.2	49.8
SW - 7	1	12/9/2022	SW-7-1'-120922	In-Situ	<0.000411	<0.000486	<0.000603	<0.00108	NA	36.1 JB	17.5 J	<16	53.6	65.9
SW - 8	1	12/9/2022	SW-8-1'-120922	In-Situ	<0.000417	<0.000494	<0.000613	<0.00109	NA	23.5 JB	18.5 J	<16.1	42 J	100
SW - 9	3	12/14/2022	SW - 9 - 3' - S - 121422	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	96
SW - 10	3	12/14/2022	SW - 10 - 3' - S - 121422	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	144
SW - 11	3	12/14/2022	SW - 11 - 3' - S - 121422	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	112
SW - 12	3	12/14/2022	SW - 12 - 3' - S - 121422	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	32
TP 1	1	12/6/2022	TP 1 - 1' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	128
	2	12/6/2022	TP 1 - 2' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	80
	3	12/7/2022	TP 1 - 3' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	4	12/7/2022	TP 1 - 4' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	32
TP 2	1	12/6/2022	TP 2 - 1' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	32
	2	12/6/2022	TP 2 - 2' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	3	12/16/2022	TP 2 - 3' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	32
	4	12/16/2022	TP 2 - 4' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	96
	5	12/16/2022	TP 2 - 5' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	512
TP 3	1	12/6/2022	TP 3 - 1' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	80
	2	12/6/2022	TP 3 - 2' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	32
TP 4	1	12/6/2022	TP 4 - 1' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	144
	2	12/6/2022	TP 4 - 2' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	32
TP 5	1	12/6/2022	TP 5 - 1' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	64
	2	12/6/2022	TP 5 - 2' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	144
	3	12/7/2022	TP 5 - 3' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	32
	4	12/7/2022	TP 5 - 4' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	5	12/16/2022	TP 5 - 5' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	32
TP 6	1	12/6/2022	TP 6 - 1' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	32
	2	12/6/2022	TP 6 - 2' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	80
	3	12/7/2022	TP 6 - 3' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	80
	4	12/7/2022	TP 6 - 4' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	96

Table 1
2022 Soil Sample Analytical Results
Scout State Com 605
COG (ConocoPhillips)

Location ID	Depth (Feet)	Date Collected	Sample Name	Soil Status	BTEX					TPH				CI Method
					Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	Total BTEX mg/kg	Gasoline Range Organics (GRO)- C6-C10 mg/kg	Diesel Range Organics (Over C10-C28) mg/kg	Oil Range Organics (Over C28-C36) mg/kg	Total TPH mg/kg	Chloride, Dissolved mg/kg
NMOCD					10	--	--	--	50	--	--	--	100	600
TP 7	1	12/6/2022	TP 7 - 1' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	2	12/6/2022	TP 7 - 2' - 120622	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	80
	3	12/7/2022	TP 7 - 3' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	96
	4	12/7/2022	TP 7 - 4' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	144
	5	12/16/2022	TP 7 - 5' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
TP 8	1	12/7/2022	TP 8 - 1' - 120722	Removed	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	64
	2	12/7/2022	TP 8 - 2' - 120722	Removed	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	608
	3	12/7/2022	TP 8 - 3' - 120722	Removed	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	112
	4	12/7/2022	TP 8 - 4' - 120722	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	64
TP 9	1	12/12/2022	TP 9 - 1' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	144
	2	12/12/2022	TP 9 - 2' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	3	12/12/2022	TP 9 - 3' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
	4	12/12/2022	TP 9 - 4' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
	5	12/15/2022	TP 9 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	208
TP 10	1	12/12/2022	TP 10 - 1' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	112
	2	12/12/2022	TP 10 - 2' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	288
	3	12/12/2022	TP 10 - 3' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	208
	4	12/12/2022	TP 10 - 4' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	160
	5	12/15/2022	TP 10 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	336
TP 11	1	12/12/2022	TP 11 - 1' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	592
	2	12/12/2022	TP 11 - 2' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	240
	3	12/12/2022	TP 11 - 3' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	256
	4	12/12/2022	TP 11 - 4' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	128
	5	12/15/2022	TP 11 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
TP 12	1	12/12/2022	TP 12 - 1' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	2	12/12/2022	TP 12 - 2' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	3	12/12/2022	TP 12 - 3' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
	4	12/12/2022	TP 12 - 4' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	144
	5	12/15/2022	TP 12 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	48
TP 13	1	12/12/2022	TP 13 - 1' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	2	12/12/2022	TP 13 - 2' - 121222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	16
	3	12/12/2022	TP 13 - 3' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	32
	4	12/12/2022	TP 13 - 4' - 121222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	32
	5	12/15/2022	TP 13 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	48
TP 14	1	12/13/2022	TP 14' - 1 - 131222	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	64
	2	12/13/2022	TP 14 - 2' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	65.6
	3	12/13/2022	TP 14 - 3' - 131222	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
	4	12/13/2022	TP 14 - 4' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	80
	5	12/15/2022	TP 14 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	160
TP 15	1	12/13/2022	TP 15 - 1' - 121322	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	304
	2	12/13/2022	TP 15 - 2' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	69.4
	3	12/13/2022	TP 15 - 3' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	48
	4	12/13/2022	TP 15 - 4' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	240
	5	12/15/2022	TP 15 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	288
TP 16	1	12/13/2022	TP 16 - 1' - 121322	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	240
	2	12/13/2022	TP 16 - 2' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.6
	3	12/13/2022	TP 16 - 3' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	80
	4	12/13/2022	TP 16 - 4' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	176
	5	12/15/2022	TP 16 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	192

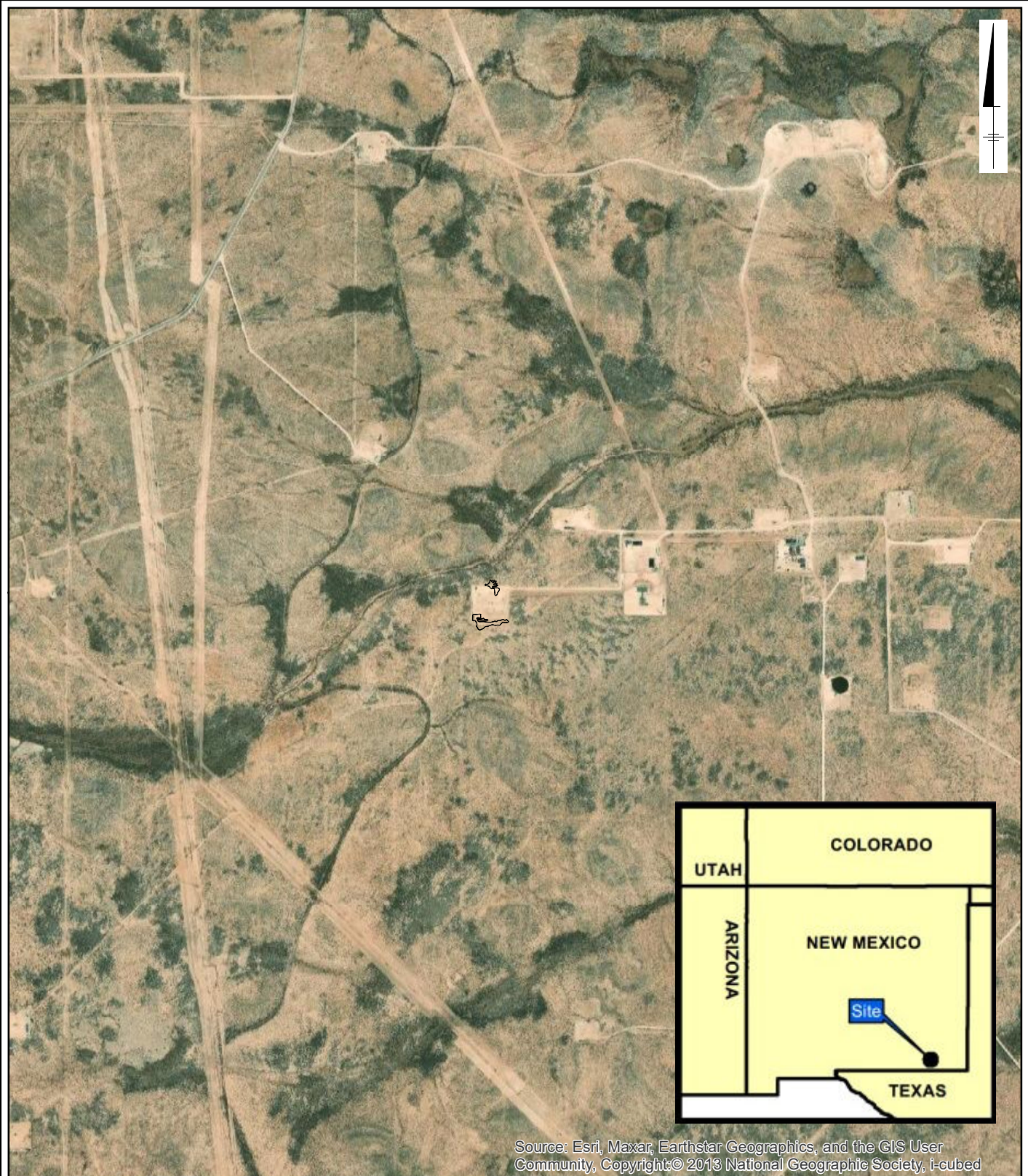
Table 1
2022 Soil Sample Analytical Results
Scout State Com 605
COG (ConocoPhillips)

Location ID	Depth (Feet)	Date Collected	Sample Name	Soil Status	BTEX					TPH				CI Method
					Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes, Total mg/kg	Total BTEX mg/kg	Gasoline Range Organics (GRO)- C6-C10 mg/kg	Diesel Range Organics (Over C10-C28) mg/kg	Oil Range Organics (Over C28-C36) mg/kg	Total TPH mg/kg	Chloride, Dissolved mg/kg
NMOCD					10	--	--	--	50	--	--	--	100	600
TP 17	1	12/13/2022	TP 17 - 1' - 121322	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	80
	2	12/13/2022	TP 17 - 2' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.7
	3	12/13/2022	TP 17 - 3' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	208
	4	12/13/2022	TP 17 - 4' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	208
	5	12/15/2022	TP 17 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
TP 18	1	12/13/2022	TP 18 - 1' - 121322	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	48
	2	12/13/2022	TP 18 - 2' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.8
	3	12/13/2022	TP 18 - 3' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	80
	4	12/13/2022	TP 18 - 4' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	96
	5	12/15/2022	TP 18 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
TP 19	1	12/13/2022	TP 19 - 1' - 121322	In-Situ	<0.05	<0.05	<0.05	<0.15	<0.3	<10	<10	<10	NA	592
	2	12/13/2022	TP 19 - 2' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	92
	3	12/13/2022	TP 19 - 3' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	160
	4	12/13/2022	TP 19 - 4' - 121322	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	176
	5	12/15/2022	TP 19 - 5' - 121522	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	48
TP 20	1	12/16/2022	TP 20 - 1' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	224
	2	12/16/2022	TP 20 - 2' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	32
	3	12/16/2022	TP 20 - 3' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	80
	4	12/16/2022	TP 20 - 4' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	16
	5	12/16/2022	TP 20 - 5' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	112
TP 21	1	12/16/2022	TP 21 - 1' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	32
	2	12/16/2022	TP 21 - 2' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	64
	3	12/16/2022	TP 21 - 3' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	16
	4	12/16/2022	TP 21 - 4' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	48
	5	12/16/2022	TP 21 - 5' - 121622	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	NA	48

Legend:
Analytes exceeding NMAC standards are indicated in **bold**
J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)
mg/kg: Milligram per Kilogram
NMAC : New Mexico Administration Code
bgs: Below ground surface
B-Base sample
SW : Sidewall sample
Notes:
1. Chloride analyzed by EPA Method 300
2. TPH analyzed by EPA Method 8015 M
3. BTEX analyzed by EPA Method 8260B
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
NMOCD: New Mexico Oild Conservation Division
--: No individual standard

Figures

City: Div/Group: Created By: Last Saved By: WDBermdg
 Project (Project #)
 C:\BIM\OneDrive - ARCADIS\GIS\CONOCOPHILLIPS-SCOUT STATE COM 605 SLIM.mxd 2/14/2023 6:59:25 PM

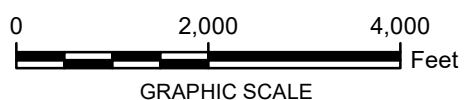


Legend

 Site Boundary

NOTES:

1. Datum: D_WGS_1984
2. Source: United States Geological Survey 7.5 Minute Quadrangle Map
3. Site Location: 32.16479, -104.133094



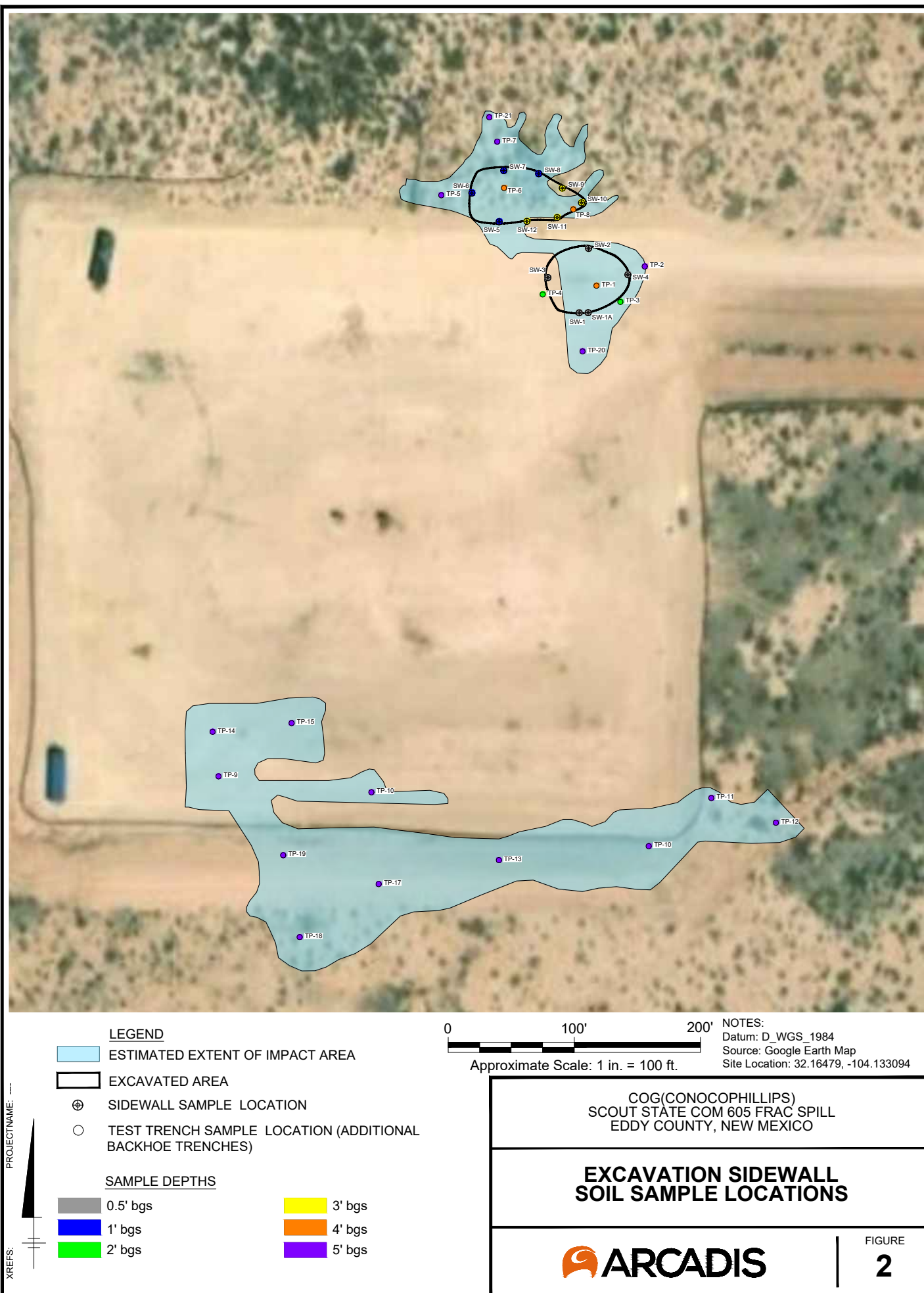
COG(CONOCOPHILLIPS)
 SCOUT STATE COM 605 FRAC SPILL
 EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP

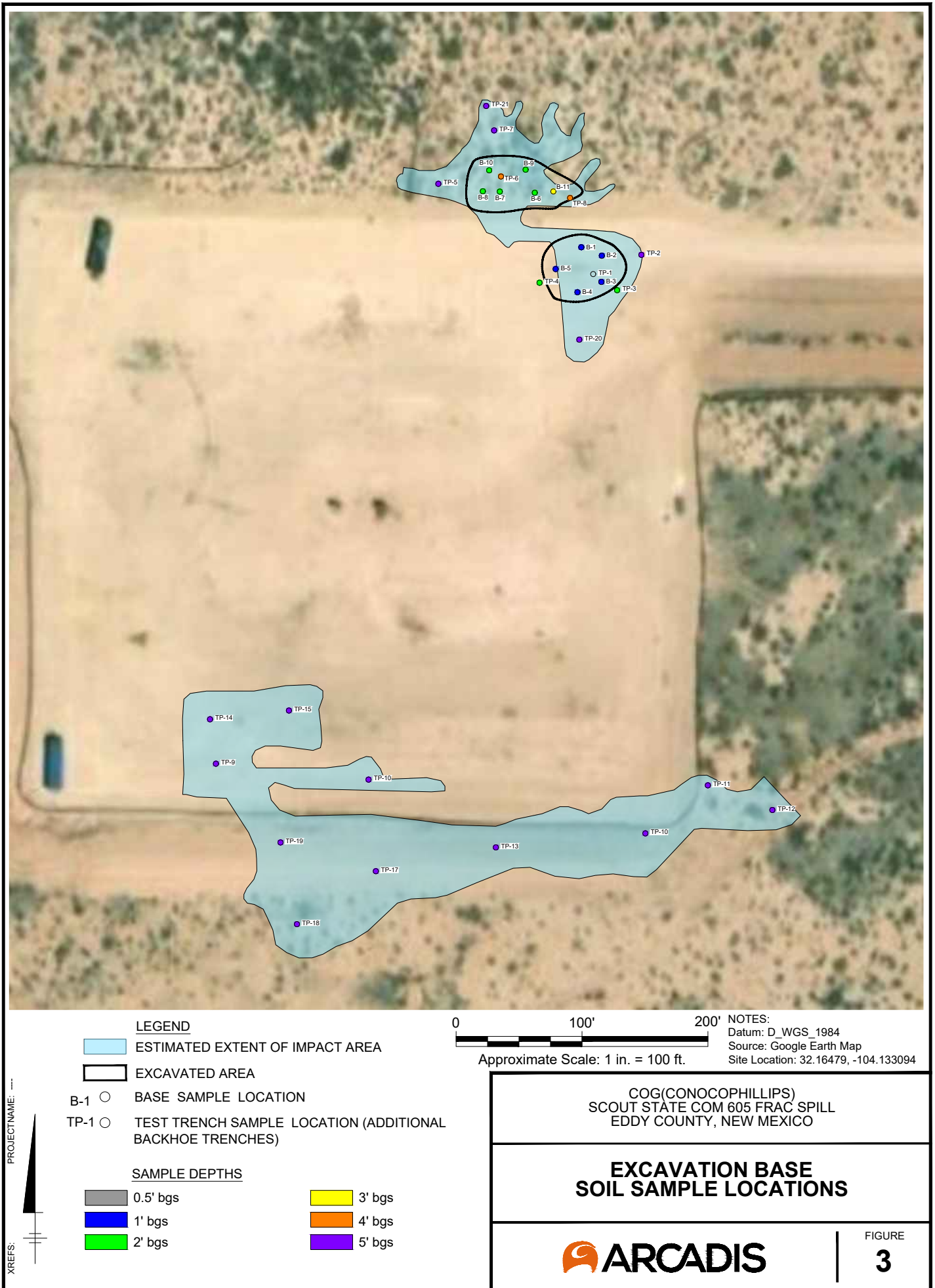


FIGURE
1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Option)-* OFF=REF*
 C:\user\wdbmg ACAD\SWACD05\Acad\SWACD05\PS-SCOUT STATE COM 605 FRAC SPILL-EDDY STATE COM 605 SITE.dwg LAYOUT: FIG2 SAVED: 3/23/2023 11:22 AM ACADVER: 23.05 (LWS TECH)
 PAGESETUP: ---- PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 3/31/2023 3:15 PM BY: BERNDNGEN, WENDY



CITY: (Read) DIV: (GROUP: (Reqd) DB: (Reqd) LD: (Opt) PIC: (Opt) PM: (Reqd) TM: (Opt) LVR: (Opt) ON: "OFF" = REF
 C:\Users\wbemmg\ARCADIS\USACCDocs\Arcadis\US-CONOCOPHILLIPS-SCOUT STATE COM 605 FRAC SPILL-EDDY COUNTY New Mexico\Project Files\2023\01-In Progress\01-DWG\SCOUT STATE COM 605 SITE.dwg LAYOUT: FIG3 SAVED: 3/23/2023 11:22 AM ACADVER: 23.05 (LMS TECH)
 PAGES: 10 PLOT: 10 PLOTSETUP: "..." PLOTSTYLETABLE: "BLACKGRAY-THIN.CTB" PLOTTED: 3/31/2023 3:14 PM BY: BERNDGEN, WENDY



Appendix A

Initial C-141 Form Incident #NAPP2213745923

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u>Patricia Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: Jocelyn Harimon	Date: 05/17/2022

L48 Spill Volume Estimate Form

Page 20 of 362

NAPP2213745923

Received by OCD: 4/20/2023 11:58:44 AM

Facility Name & Number:	SCOUT STATE COM 605H 606H
Asset Area:	STATE LINE NORTH: NEW MEXICO
Release Discovery Date & Time:	5/5/2022 9:00AM
Release Type:	Produced Water
Provide any known details about the event:	HOLE IN LAYFLAT HOSE BETWEEN MANIFOLD AND PUMP DOWN TANKS ON LOCATION: 60bbls RECOVERED BY

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
ON LOCATION 1	20.0	30.0	2.00	4	600.000	0.042	4.450	0.002	4.459
ON LOCATION 2	15.0	10.0	12.00	4	150.000	0.250	6.675	0.013	6.758
ON LOCATION 3	149.0	13.0	3.00	4	1937.000	0.063	21.549	0.003	21.616
OFF LOCATION 1	22.0	22.0	3.00	4	484.000	0.063	5.385	0.003	5.401
OFF LOCATION 2	14.0	200.0	3.00	4	2800.000	0.063	31.150	0.003	31.247
OFF LOCATION 3	25.0	50.0	3.00	4	1250.000	0.063	13.906	0.003	13.950
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total Volume Release:									83.433

Released to Imaging: 6/21/2023 2:47:04 PM

Appendix B

Final C-141 Form Incident #NAPP2213745923

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	NAPP2213745923
District RP	N/A
Facility ID	fAPP2213737573
Application ID	N/A

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

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

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

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

Incident ID	NAPP2213745923
District RP	N/A
Facility ID	fAPP2213737573
Application ID	N/A

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.

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

Printed Name: Ike Tavarez Title: Project Manager RM&R

Signature:  Date: 03/28/2023

email: ike.tavarez@conocophillips.com Telephone: 432-701-

8630

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

Incident ID	NAPP2213745923
District RP	N/A
Facility ID	fAPP2213737573
Application ID	N/A

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Ike Tavaréz Title: Project Manager

Signature:  Date: 03/28/2023

email: ike.tavaréz@conocophillips.com Telephone: 432-701-8630

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

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

Closure Approved by:  Date: 06/21/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

Appendix C

Work Plan

CARMONA RESOURCES



SITE INFORMATION

Work Plan

Scout State Com 605 Frac Spill

Incident #: NAPP2213745923

Eddy County, New Mexico

Unit D Sec 06 T25S R28E

32.164186°, -104.133059°

Treated Produced Water Release

Point of Release: Lay Flat Hose Leak

Release Date: 05/05/2022

Volume Released: 83.4 Barrels of Treated Produced Water

Volume Recovered: 60 Barrels of Treated Produced Water

CARMONA RESOURCES



Prepared for:

Concho Operating, LLC

600 West Illinois Avenue,

Midland, Texas 79701

Prepared by:

Carmona Resources, LLC

310 West Wall Street

Suite 415

Midland, Texas 79701

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT/TRENCHING ACTIVITIES

5.0 PROPOSED WORK PLAN

6.0 CONCLUSIONS

FIGURES

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

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	INITIAL C-141 AND REMEDIATION
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS



August 1, 2022

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

Re: Work Plan
Scout State Com 605 Frac Spill
Concho Operating, LLC
Incident # NAPP2213745923
Site Location: Unit D, S06, T25S, R28E
(Lat 32.164186°, Long -104.133059°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Scout State Com 605 Frac Spill. The site is located at 32.164186°, -104.133059° within Unit D, S06, T25S, R28E, 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 May 5, 2022, from a lay flat hose leak. It resulted in the release of approximately eighty-three-point-four (83.4) barrels of treated produced water, and sixty (60) barrels were recovered. Refer to Figure 3 to see the northern and southern portions of the impacted area. 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, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.10 miles Southeast of the site in S05, T25S, R28E and was drilled in 1948. The well has a reported depth to groundwater of 59.35' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

310 West Wall Street, Suite 415
Midland, Texas 79701
432.813.1992



4.0 Site Assessment Activities

Initial Assessment

On June 7, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of thirteen (13) sample points and fifteen (15) horizontal samples were advanced to depths ranging from the surface to 1.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

In Table 1, the areas of S-1 through S-13 showed benzene, total BTEX, and TPH concentrations below the regulatory limits. However, the areas of S-1 through S-12 showed high chloride concentrations ranging from 1,200 mg/kg to 10,600 mg/kg at the surface to 1.5' bgs. Vertical delineation was not achieved. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-15 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Trenches

On June 27, 2022, Carmona Resources personnel were on site to vertically define the release via backhoe. A total of thirteen (13) trenches (T-1 through T-13) were installed to depths ranging from surface to 3.0' below the surface. 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 TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All areas were vertically delineated. The sampling results are summarized in Table 1; see Figure 3 for the sample locations.

5.0 Proposed Work Plan

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

- The area of S-1 (Trench-1) will be excavated to a depth of 4.0' below the surface and backfilled with clean material to grade.
- The areas of S-2 through S-12 (Trench-2 through Trench-12) will be excavated to a depth of

CARMONA RESOURCES



2.0' below the surface and backfilled with clean material to grade.

- Concho requests a variance per 19.15.29.14. A NMAC, Concho will collect composite sidewall and bottom hole floor samples every 400 square feet. An estimated 2,688 cubic yards will be removed and hauled to the nearest disposal.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The affected areas in the pasture will be seeded with the appropriate seed mixture. 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, COG will excavate the impacted soils to the maximum extent possible.

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, don't hesitate to contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

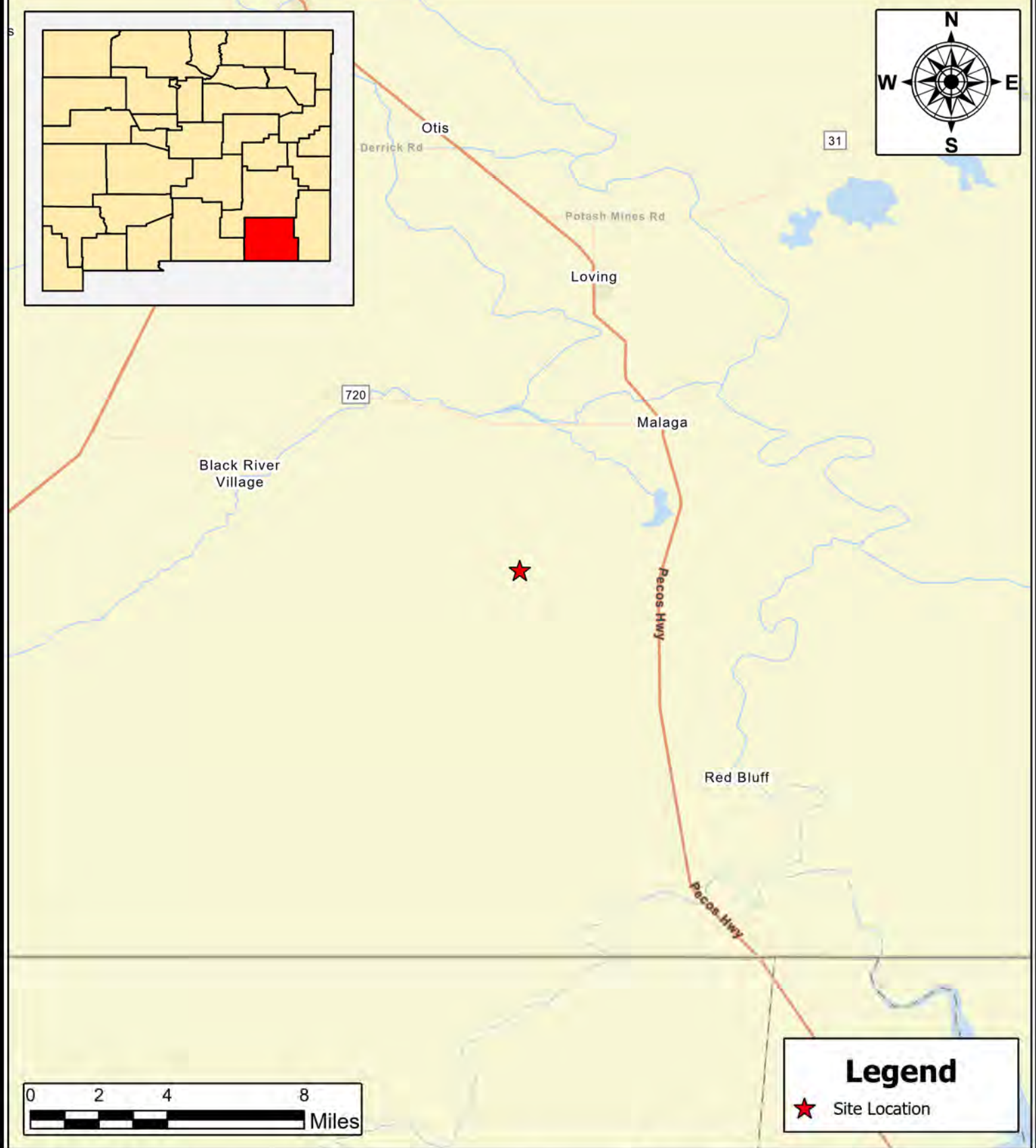
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





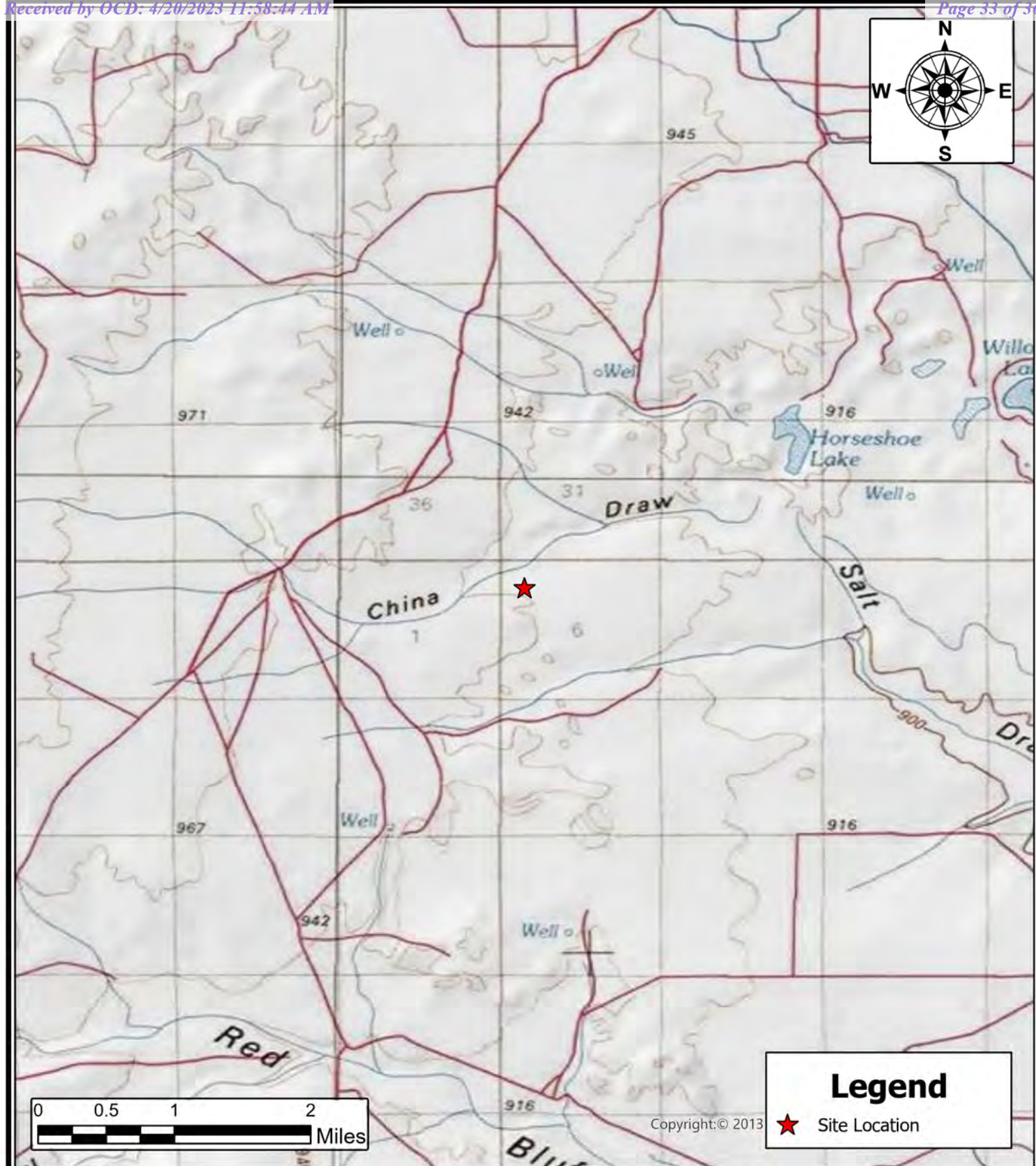
OVERVIEW MAP
COG OPERATING
SCOUT STATE COM 605 FRAC SPILL
EDDY COUNTY, NEW MEXICO
32.164186, -104.133059

SCALE: As Shown Date: 8/1/2022


Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



TOPOGRAPHIC MAP
COG OPERATING
SCOUT STATE COM 605 FRAC SPILL
EDDY COUNTY, NEW MEXICO
32.164186, -104.133059

SCALE: As Shown

Date: 8/1/2022



Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:

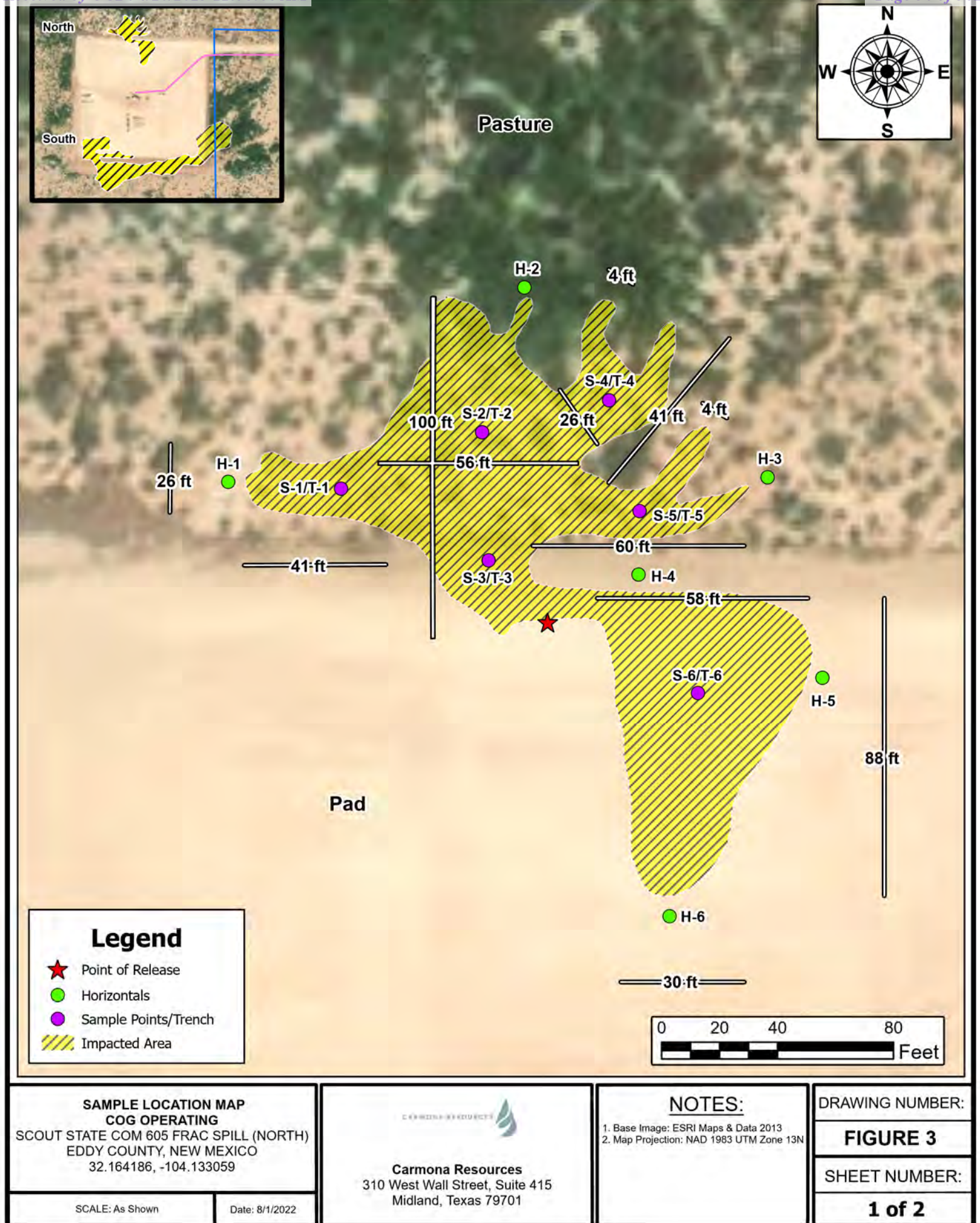
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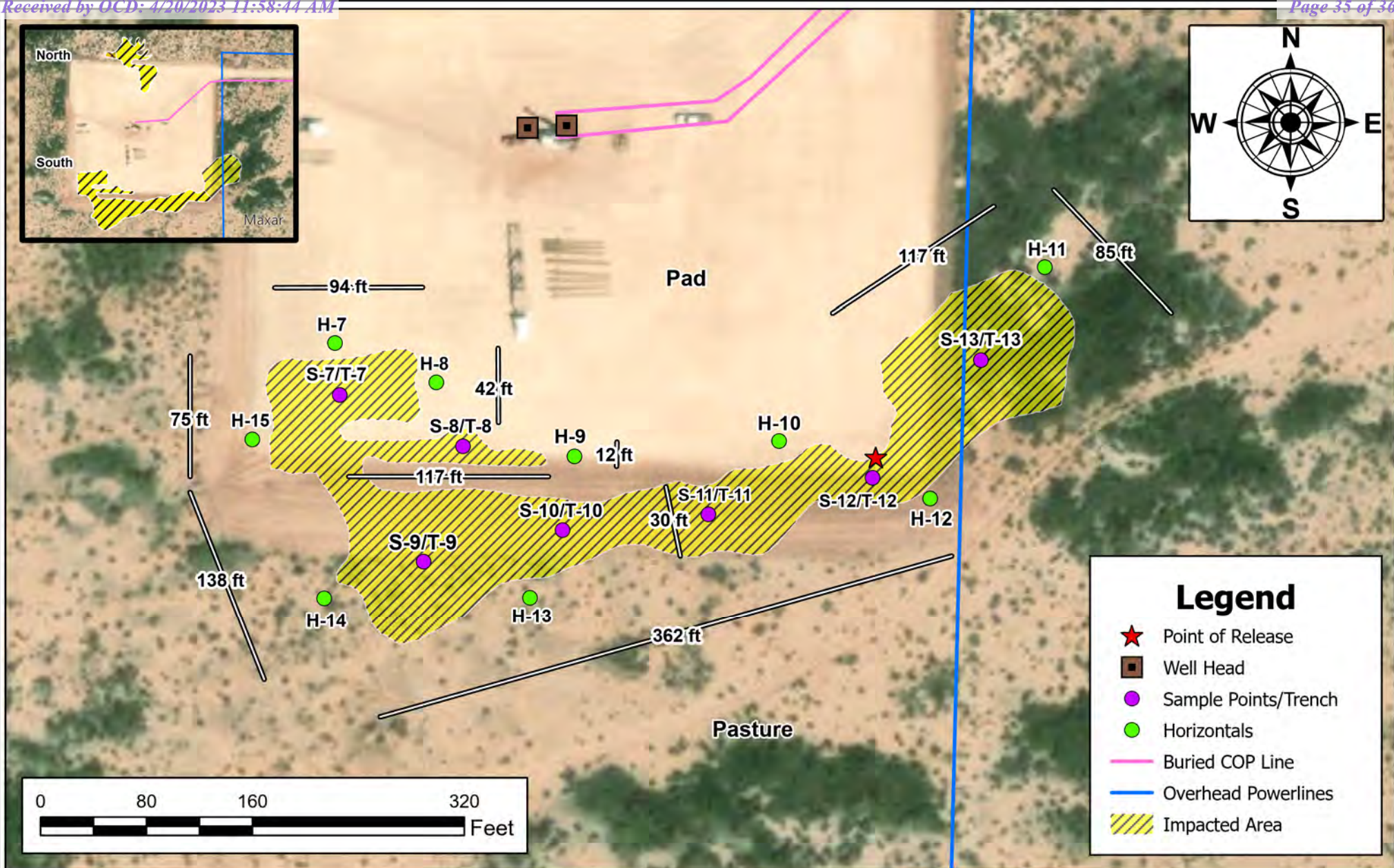
DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1





SAMPLE LOCATION MAP
COG OPERATING
 SCOUT STATE COM 605 FRAC SPILL (SOUTH)
 EDDY COUNTY, NEW MEXICO
 32.164186, -104.133059

SCALE: As Shown

Date: 8/1/2022

Released to Imaging: 6/21/2023 2:47:04 PM



Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

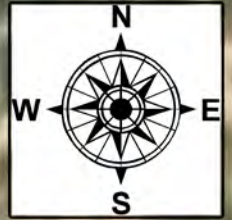
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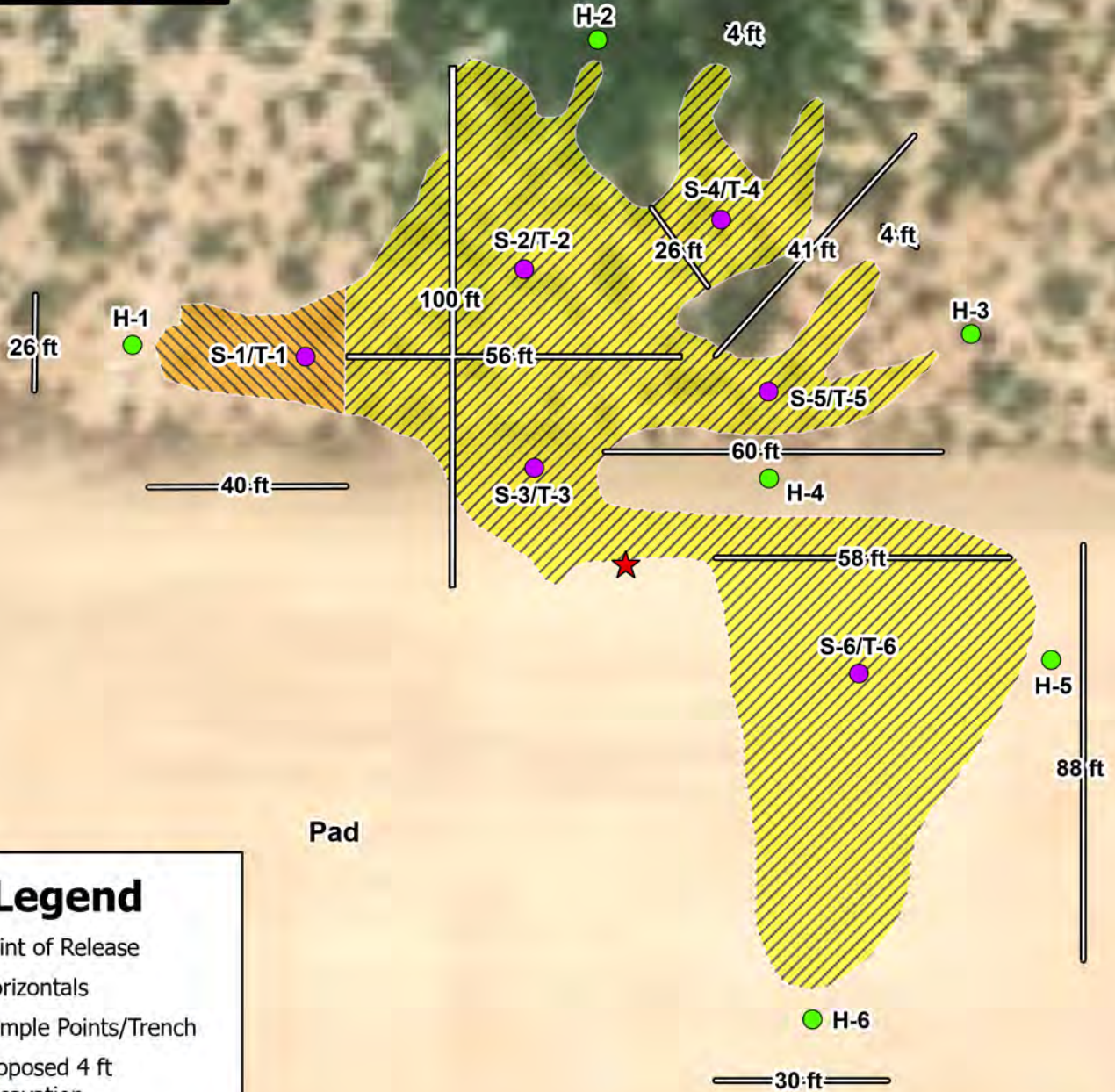
FIGURE 3

SHEET NUMBER:

2 of 2

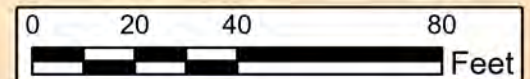


Pasture



Legend

- ★ Point of Release
- Horizontals
- Sample Points/Trench
- ▨ Proposed 4 ft Excavation
- ▨ Proposed 2 ft Excavation



PROPOSED EXCAVATION DEPTH MAP
COG OPERATING
 SCOUT STATE COM 605 FRAC SPILL (NORTH)
 EDDY COUNTY, NEW MEXICO
 32.164179, -104.133094

SCALE: As Shown

Date: 8/1/2022



Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

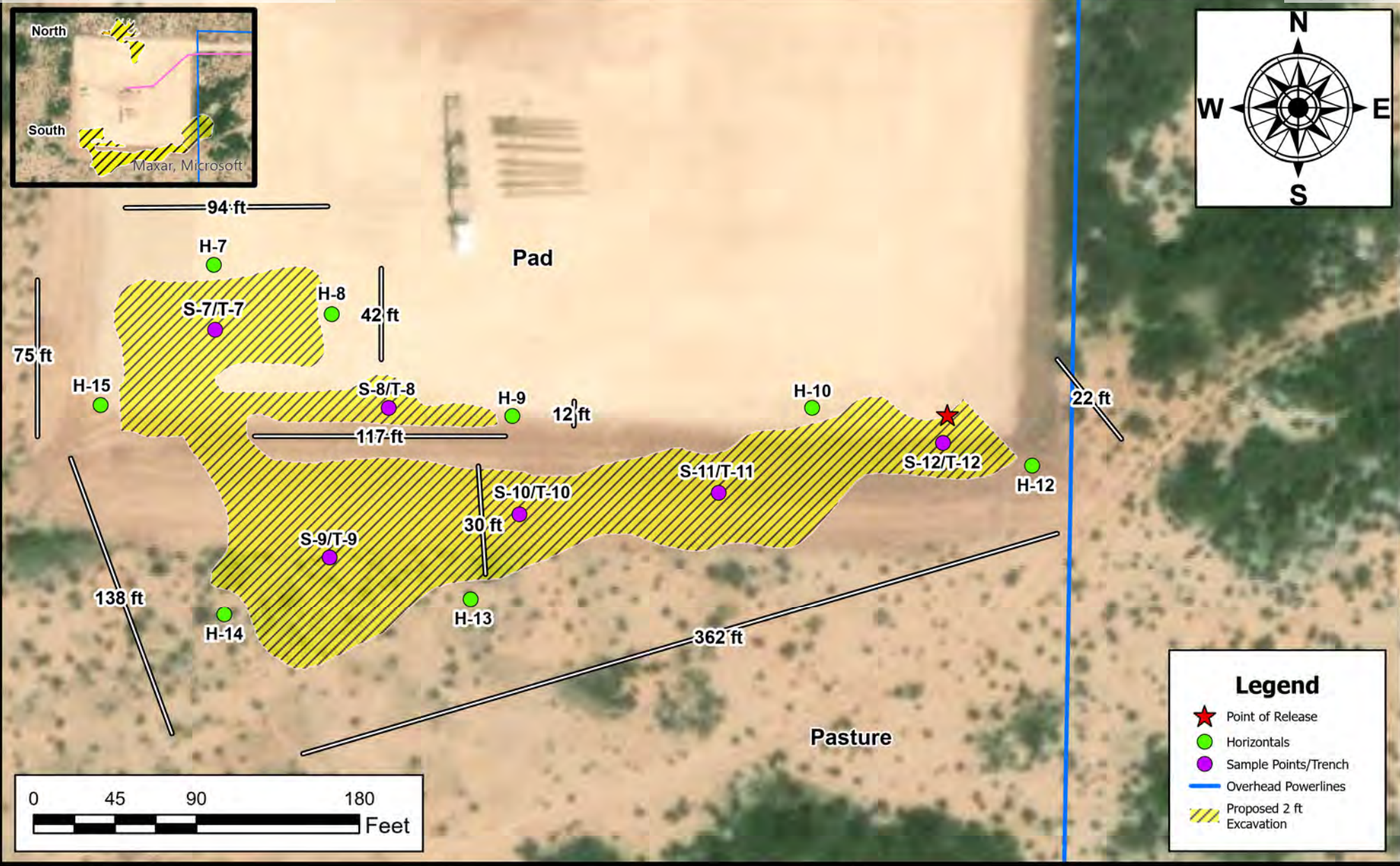
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 2



PROPOSED EXCAVATION DEPTH MAP
COG OPERATING
 SCOUT STATE COM 605 FRAC SPILL (SOUTH)
 EDDY COUNTY, NEW MEXICO
 32.164179, -104.133094

SCALE: As Shown
 Date: 8/1/2022

CARMONA RESOURCES

Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

2 of 2

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Scout State Com 605 Frac Spill
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
S-1	6/7/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,890	
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,070	
T-1	6/27/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,800	
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	57.0	
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	611	
	"	4	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	461	
S-2	6/7/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,420	
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,050	
T-2	6/27/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	21.7	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	523	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	398	
S-3	6/7/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	4,810	
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,970	
T-3	6/27/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	256	
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	375	
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	541	
S-4	6/7/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,450	
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,040	
T-4	6/27/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10,100	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12.9	
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	29.3	
S-5	6/7/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,970	
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	5,970	
T-5	6/27/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	72.3	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.3	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	67.6	
S-6	6/7/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,920	
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,930	
T-6	6/27/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	326	
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	23.7	
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	137	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

Proposed Excavation

Table 1
COG
Scout State Com 605 Frac Spill
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
S-7	6/7/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9,220	
	"	1.5	<50.0	880	137	1,020	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7,190	
T-7	6/27/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.3	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	185	
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	228	
S-8	6/7/2022	0-1	<50.0	791	124	915	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,600	
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,610	
T-8	6/27/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	137	
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.1	
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	139	
S-9	6/7/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	735	
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,500	
T-9	6/27/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9,840	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	133	
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	116	
S-10	6/7/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,220	
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,090	
T-10	6/27/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	3,630	
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	98.1	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	74.1	
S-11	6/7/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,260	
	"	1.5	<50.0	231	<50.0	231	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	609	
T-11	6/27/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10,600	
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.00	
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	234	
S-12	6/7/2022	0-1	<50.0	837	<50.0	837	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,790	
T-12	6/27/2022	0-1	<49.9	1,210	<49.9	1,210	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,200	
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	294	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	457	
S-13	6/7/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105	
T-13	6/27/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	147	
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	25.2	
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	471	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

Proposed Excavation

Table 1
COG
Scout State Com 605 Frac Spill
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.7
H-2	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	57.9
H-3	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	77.8
H-4	6/7/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	75.4
H-5	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	82.0
H-6	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	88.6
H-7	6/7/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	74.0
H-8	6/7/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	81.7
H-9	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	88.4
H-10	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.7
H-11	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.7
H-12	6/7/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.3
H-13	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	45.8
H-14	6/7/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.0
H-15	6/7/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.73
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Scout State Com 605 Frac Spill

County: Eddy County, New Mexico

Description:

View East, area of (S-1/T-1, S-2/T-2, and S-3/T-3).



Photograph No. 2

Facility: Scout State Com 605 Frac Spill

County: Eddy County, New Mexico

Description:

View North, area of (S-4/T-4, and S-5/T-5).



Photograph No. 3

Facility: Scout State Com 605 Frac Spill

County: Eddy County, New Mexico

Description:

View Northwest, area of (S-6/T-6).



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Scout State Com 605 Frac Spill

County: Eddy County, New Mexico

Description:

View North, area of (S-7/T-7).



Photograph No. 5

Facility: Scout State Com 605 Frac Spill

County: Eddy County, New Mexico

Description:

View East, area of (S-8/T-8).



Photograph No. 6

Facility: Scout State Com 605 Frac Spill

County: Eddy County, New Mexico

Description:

View Southwest, area of (S-9/T-9, S-10/T-10, S-11/T-11, and S-12/T-12).



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Scout State Com 605 Frac Spill

County: Eddy County, New Mexico

Description:

View Southwest, area of (S-13/T13).



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u></u> _____	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/17/2022</u>

L48 Spill Volume Estimate Form

Received by OCD: 4/20/2023 11:58:44 AM

Page 49 of 362

NAPP2213745923

ber:	SCOUT STATE COM 605H 606H
Asset Area:	STATE LINE NORTH: NEW MEXICO
Release Discovery Date & Time:	5/5/2022 9:00AM
Release Type:	Produced Water
Provide any known details about the event:	HOLE IN LAYFLAT HOSE BETWEEN MANIFOLD AND PUMP DOWN TANKS ON LOCATION: 60bbls RECOVERED BY

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
ON LOCATION 1	20.0	30.0	2.00	4	600.000	0.042	4.450	0.002	4.459
ON LOCATION 2	15.0	10.0	12.00	4	150.000	0.250	6.675	0.013	6.758
ON LOCATION 3	149.0	13.0	3.00	4	1937.000	0.063	21.549	0.003	21.616
OFF LOCATION 1	22.0	22.0	3.00	4	484.000	0.063	5.385	0.003	5.401
OFF LOCATION 2	14.0	200.0	3.00	4	2800.000	0.063	31.150	0.003	31.247
OFF LOCATION 3	25.0	50.0	3.00	4	1250.000	0.063	13.906	0.003	13.950
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total Volume Release:									83.433

Released to Imaging: 6/21/2023 2:47:04 PM

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 107612

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 107612
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	5/17/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Justin Carlile Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: Justin Carlile Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.10 Miles
- USGS Water Well
- Scout State Com 605 Frac Spill

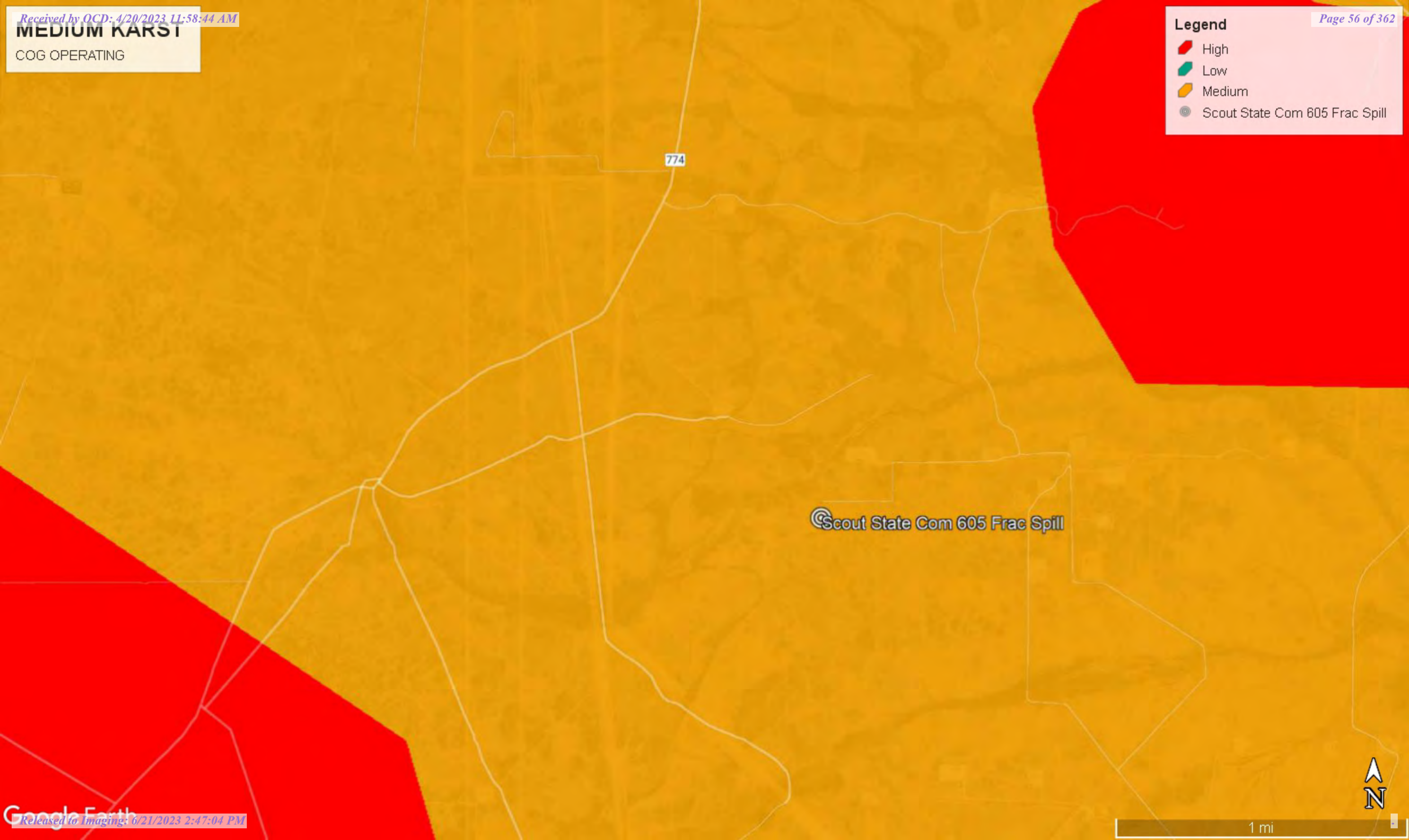


MEDIUM KARST

COG OPERATING

Legend

-  High
-  Low
-  Medium
-  Scout State Com 605 Frac Spill





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03263 POD1	CUB	ED		1	1	1	07	25S	28E	581628	3557501*	1434	133		
C 03264 POD1	CUB	ED		2	1	2	02	25S	27E	579391	3559099*	2453			
C 04501 POD1	CUB	ED		3	4	1	29	24S	28E	583580	3561778	3347	80		
C 01721	C	ED				1	25	24S	27E	580271	3562033*	3485	170		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 581838

Northing (Y): 3558920

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.

5/30/22 12:20 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) 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 =

- 320920104065701

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

USGS 320920104065701 25S.28E.05.331112

Eddy County, New Mexico
Latitude 32°09'20", Longitude 104°06'57" NAD27
Land-surface elevation 3,012 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1948-12-06			D	62610	2951.05	NGVD29	1		Z	
1948-12-06			D	62611	2952.65	NAVD88	1		Z	
1948-12-06			D	72019	59.35		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

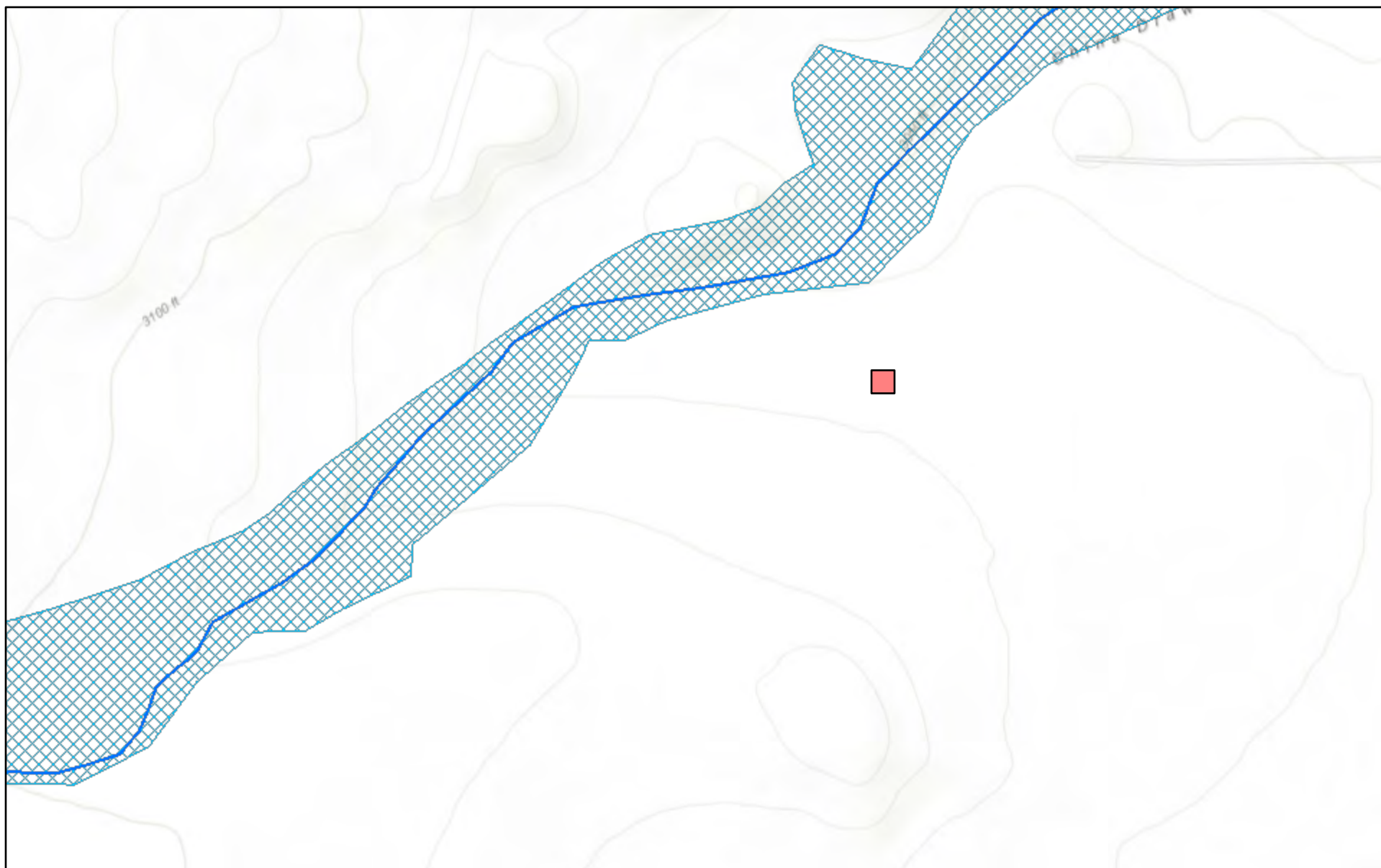
[Questions about sites/data?](#)
[Feedback on this web site](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

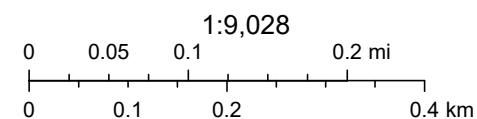


Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-05-30 14:27:34 EDT
0.27 0.23 nadww02

New Mexico NFHL Data



May 30, 2022



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

nmflood.org is made possible through a collaboration with NMDHSEM,

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

APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-15629-1

Laboratory Sample Delivery Group: Eddy Co. NM
Client Project/Site: Scout State Com 605 Frac Spill

For:

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

Attn: Conner Moehring

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

Authorized for release by:

6/17/2022 9:53:40 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Laboratory Job ID: 880-15629-1
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Job ID: 880-15629-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-15629-1**

Receipt

The samples were received on 6/8/2022 10:59 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-27135 and analytical batch 880-27242 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27360 and analytical batch 880-27442 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27499 and analytical batch 880-27512 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27165 and analytical batch 880-27246 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-6 (0-1') (880-15629-11). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27167 and analytical batch 880-27244 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-27167/2-A), (880-15629-A-21-C MS) and (880-15629-A-21-D MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27191 and analytical batch 880-27505 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-1

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 10:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 10:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 10:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/09/22 08:57	06/10/22 10:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 10:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/09/22 08:57	06/10/22 10:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/09/22 08:57	06/10/22 10:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/09/22 08:57	06/10/22 10:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		06/09/22 10:10	06/10/22 11:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/09/22 10:10	06/10/22 11:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	06/09/22 10:10	06/10/22 11:38	1
o-Terphenyl	79		70 - 130	06/09/22 10:10	06/10/22 11:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2890		25.0		mg/Kg			06/16/22 02:14	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-15629-2

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 10:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 10:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 10:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/22 08:57	06/10/22 10:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 10:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/22 08:57	06/10/22 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/09/22 08:57	06/10/22 10:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/09/22 08:57	06/10/22 10:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-15629-2

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 12:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 12:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/09/22 10:10	06/10/22 12:44	1
o-Terphenyl	91		70 - 130				06/09/22 10:10	06/10/22 12:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		24.8		mg/Kg			06/16/22 02:22	5

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

Lab Sample ID: 880-15629-3

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 10:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 10:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 10:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/22 08:57	06/10/22 10:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 10:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/22 08:57	06/10/22 10:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/09/22 08:57	06/10/22 10:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/09/22 08:57	06/10/22 10:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 13:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-3

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/09/22 10:10	06/10/22 13:06	1
o-Terphenyl	97		70 - 130				06/09/22 10:10	06/10/22 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3420		25.2		mg/Kg			06/16/22 02:30	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-15629-4

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/09/22 08:57	06/10/22 11:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/22 08:57	06/10/22 11:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/22 08:57	06/10/22 11:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/09/22 08:57	06/10/22 11:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/22 08:57	06/10/22 11:09	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/09/22 08:57	06/10/22 11:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/09/22 08:57	06/10/22 11:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/09/22 08:57	06/10/22 11:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 13:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 13:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/09/22 10:10	06/10/22 13:29	1
o-Terphenyl	95		70 - 130				06/09/22 10:10	06/10/22 13:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		4.98		mg/Kg			06/16/22 02:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-5

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 11:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 11:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 11:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/22 08:57	06/10/22 11:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 11:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/22 08:57	06/10/22 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/09/22 08:57	06/10/22 11:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/09/22 08:57	06/10/22 11:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 13:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 13:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/09/22 10:10	06/10/22 13:52	1
o-Terphenyl	96		70 - 130	06/09/22 10:10	06/10/22 13:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4810		49.6		mg/Kg			06/16/22 03:01	10

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-15629-6

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 11:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 11:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 11:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/09/22 08:57	06/10/22 11:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/09/22 08:57	06/10/22 11:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/09/22 08:57	06/10/22 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/09/22 08:57	06/10/22 11:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/09/22 08:57	06/10/22 11:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-15629-6

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 14:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 14:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/09/22 10:10	06/10/22 14:15	1
o-Terphenyl	96		70 - 130				06/09/22 10:10	06/10/22 14:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1970		24.9		mg/Kg			06/16/22 03:09	5

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

Lab Sample ID: 880-15629-7

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 12:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 12:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 12:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/22 08:57	06/10/22 12:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/22 08:57	06/10/22 12:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/22 08:57	06/10/22 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/09/22 08:57	06/10/22 12:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/09/22 08:57	06/10/22 12:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 14:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 14:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-7

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/09/22 10:10	06/10/22 14:37	1
o-Terphenyl	89		70 - 130				06/09/22 10:10	06/10/22 14:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4450		49.9		mg/Kg			06/16/22 03:17	10

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-15629-8

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 12:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 12:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 12:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/22 08:57	06/10/22 12:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/22 08:57	06/10/22 12:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/22 08:57	06/10/22 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/09/22 08:57	06/10/22 12:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/09/22 08:57	06/10/22 12:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/09/22 10:10	06/10/22 15:00	1
o-Terphenyl	100		70 - 130				06/09/22 10:10	06/10/22 15:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2040		25.0		mg/Kg			06/16/22 03:25	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-9

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/09/22 09:03	06/10/22 12:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/22 09:03	06/10/22 12:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/22 09:03	06/10/22 12:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/22 09:03	06/10/22 12:53	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		06/09/22 09:03	06/10/22 12:53	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		06/09/22 09:03	06/10/22 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/09/22 09:03	06/10/22 12:53	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/09/22 09:03	06/10/22 12:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 15:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 15:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/09/22 10:10	06/10/22 15:23	1
o-Terphenyl	90		70 - 130	06/09/22 10:10	06/10/22 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5970		49.7		mg/Kg			06/16/22 03:32	10

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-15629-10

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:13	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/09/22 09:03	06/10/22 13:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:13	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/09/22 09:03	06/10/22 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/09/22 09:03	06/10/22 13:13	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/09/22 09:03	06/10/22 13:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-15629-10

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 15:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/09/22 10:10	06/10/22 15:45	1
o-Terphenyl	91		70 - 130				06/09/22 10:10	06/10/22 15:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5970		50.0		mg/Kg			06/16/22 03:40	10

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

Lab Sample ID: 880-15629-11

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/09/22 09:03	06/10/22 13:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/22 09:03	06/10/22 13:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/09/22 09:03	06/10/22 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				06/09/22 09:03	06/10/22 13:34	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/09/22 09:03	06/10/22 13:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 16:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 16:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-11

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				06/09/22 10:10	06/10/22 16:30	1
o-Terphenyl	71		70 - 130				06/09/22 10:10	06/10/22 16:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		50.4		mg/Kg			06/16/22 04:04	10

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

Lab Sample ID: 880-15629-12

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 13:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 13:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 13:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/22 09:03	06/10/22 13:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 13:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/22 09:03	06/10/22 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/09/22 09:03	06/10/22 13:55	1
1,4-Difluorobenzene (Surr)	107		70 - 130				06/09/22 09:03	06/10/22 13:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 16:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 16:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				06/09/22 10:10	06/10/22 16:53	1
o-Terphenyl	88		70 - 130				06/09/22 10:10	06/10/22 16:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4930		99.6		mg/Kg			06/16/22 04:12	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-15629-13

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 14:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/09/22 09:03	06/10/22 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 14:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/09/22 09:03	06/10/22 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/09/22 09:03	06/10/22 14:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/09/22 09:03	06/10/22 14:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 17:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 17:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/09/22 10:10	06/10/22 17:16	1
o-Terphenyl	100		70 - 130	06/09/22 10:10	06/10/22 17:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9220		49.5		mg/Kg			06/16/22 17:40	10

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

Lab Sample ID: 880-15629-14

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/22 09:03	06/10/22 14:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/22 09:03	06/10/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/09/22 09:03	06/10/22 14:37	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/09/22 09:03	06/10/22 14:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-14

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1020		50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 17:38	1
Diesel Range Organics (Over C10-C28)	880		50.0		mg/Kg		06/09/22 10:10	06/10/22 17:38	1
Oil Range Organics (Over C28-C36)	137		50.0		mg/Kg		06/09/22 10:10	06/10/22 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/09/22 10:10	06/10/22 17:38	1
o-Terphenyl	92		70 - 130				06/09/22 10:10	06/10/22 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7190		99.8		mg/Kg			06/16/22 04:43	20

Client Sample ID: S-8 (1.51')

Lab Sample ID: 880-15629-15

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/22 09:03	06/10/22 14:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/22 09:03	06/10/22 14:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/22 09:03	06/10/22 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/09/22 09:03	06/10/22 14:57	1
1,4-Difluorobenzene (Surr)	109		70 - 130				06/09/22 09:03	06/10/22 14:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	915		50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 18:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-8 (1.51')

Lab Sample ID: 880-15629-15

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	791		50.0		mg/Kg		06/09/22 10:10	06/10/22 18:00	1
Oil Range Organics (Over C28-C36)	124		50.0		mg/Kg		06/09/22 10:10	06/10/22 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/09/22 10:10	06/10/22 18:00	1
o-Terphenyl	94		70 - 130				06/09/22 10:10	06/10/22 18:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7600		99.0		mg/Kg			06/16/22 04:51	20

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-15629-16

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 15:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 15:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 15:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/22 09:03	06/10/22 15:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 15:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/22 09:03	06/10/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				06/09/22 09:03	06/10/22 15:18	1
1,4-Difluorobenzene (Surr)	108		70 - 130				06/09/22 09:03	06/10/22 15:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 18:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/09/22 10:10	06/10/22 18:22	1
o-Terphenyl	93		70 - 130				06/09/22 10:10	06/10/22 18:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1610		25.0		mg/Kg			06/16/22 04:59	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-15629-17

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/09/22 09:03	06/10/22 15:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/22 09:03	06/10/22 15:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/22 09:03	06/10/22 15:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/22 09:03	06/10/22 15:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/22 09:03	06/10/22 15:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/22 09:03	06/10/22 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/09/22 09:03	06/10/22 15:39	1
1,4-Difluorobenzene (Surr)	106		70 - 130	06/09/22 09:03	06/10/22 15:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 18:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/09/22 10:10	06/10/22 18:44	1
o-Terphenyl	96		70 - 130	06/09/22 10:10	06/10/22 18:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	735		4.97		mg/Kg			06/16/22 17:49	1

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-15629-18

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/09/22 09:03	06/10/22 16:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/09/22 09:03	06/10/22 16:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/09/22 09:03	06/10/22 16:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/09/22 09:03	06/10/22 16:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/09/22 09:03	06/10/22 16:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/09/22 09:03	06/10/22 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/09/22 09:03	06/10/22 16:00	1
1,4-Difluorobenzene (Surr)	107		70 - 130	06/09/22 09:03	06/10/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-15629-18

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 19:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:10	06/10/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/09/22 10:10	06/10/22 19:06	1
o-Terphenyl	92		70 - 130				06/09/22 10:10	06/10/22 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2500		25.0		mg/Kg			06/16/22 05:08	5

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-15629-19

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 08:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 08:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 08:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/11/22 18:59	06/13/22 08:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 08:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/11/22 18:59	06/13/22 08:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/11/22 18:59	06/13/22 08:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/11/22 18:59	06/13/22 08:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 19:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 19:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-15629-19

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/09/22 10:10	06/10/22 19:29	1
o-Terphenyl	83		70 - 130				06/09/22 10:10	06/10/22 19:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		25.0		mg/Kg			06/16/22 05:15	5

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-15629-20

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 08:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 08:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 08:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/11/22 18:59	06/13/22 08:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 08:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/11/22 18:59	06/13/22 08:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/11/22 18:59	06/13/22 08:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/11/22 18:59	06/13/22 08:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/09/22 10:10	06/10/22 19:51	1
o-Terphenyl	80		70 - 130				06/09/22 10:10	06/10/22 19:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.00		mg/Kg			06/14/22 19:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-15629-21

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 10:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 10:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 10:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/11/22 18:59	06/13/22 10:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 10:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/11/22 18:59	06/13/22 10:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/11/22 18:59	06/13/22 10:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/11/22 18:59	06/13/22 10:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		06/09/22 10:13	06/10/22 11:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/09/22 10:13	06/10/22 11:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/09/22 10:13	06/10/22 11:38	1
o-Terphenyl	82		70 - 130	06/09/22 10:13	06/10/22 11:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2260		24.8		mg/Kg			06/14/22 20:20	5

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15629-22

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 10:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/11/22 18:59	06/13/22 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 10:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/11/22 18:59	06/13/22 10:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/11/22 18:59	06/13/22 10:53	1
1,4-Difluorobenzene (Surr)	84		70 - 130	06/11/22 18:59	06/13/22 10:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15629-22

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	231		50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 12:44	1
Diesel Range Organics (Over C10-C28)	231		50.0		mg/Kg		06/09/22 10:13	06/10/22 12:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				06/09/22 10:13	06/10/22 12:44	1
o-Terphenyl	76		70 - 130				06/09/22 10:13	06/10/22 12:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	609		25.0		mg/Kg			06/14/22 20:29	5

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15629-23

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/11/22 18:59	06/13/22 11:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/11/22 18:59	06/13/22 11:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/11/22 18:59	06/13/22 11:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/11/22 18:59	06/13/22 11:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	837		50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 13:06	1
Diesel Range Organics (Over C10-C28)	837		50.0		mg/Kg		06/09/22 10:13	06/10/22 13:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15629-23

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/09/22 10:13	06/10/22 13:06	1
o-Terphenyl	82		70 - 130				06/09/22 10:13	06/10/22 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1790		50.0		mg/Kg			06/14/22 20:38	10

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-15629-24

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/11/22 18:59	06/13/22 11:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/11/22 18:59	06/13/22 11:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/11/22 18:59	06/13/22 11:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/11/22 18:59	06/13/22 11:34	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/11/22 18:59	06/13/22 11:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 13:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 13:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				06/09/22 10:13	06/10/22 13:29	1
o-Terphenyl	80		70 - 130				06/09/22 10:13	06/10/22 13:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.98		mg/Kg			06/14/22 20:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-25

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 11:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/11/22 18:59	06/13/22 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 11:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/11/22 18:59	06/13/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/11/22 18:59	06/13/22 11:54	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/11/22 18:59	06/13/22 11:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 13:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 13:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	06/09/22 10:13	06/10/22 13:52	1
o-Terphenyl	80		70 - 130	06/09/22 10:13	06/10/22 13:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.7		4.95		mg/Kg			06/14/22 21:15	1

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

Lab Sample ID: 880-15629-26

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/11/22 18:59	06/13/22 12:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/11/22 18:59	06/13/22 12:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/11/22 18:59	06/13/22 12:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/11/22 18:59	06/13/22 12:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/11/22 18:59	06/13/22 12:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/11/22 18:59	06/13/22 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/11/22 18:59	06/13/22 12:15	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/11/22 18:59	06/13/22 12:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-26

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 14:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 14:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				06/09/22 10:13	06/10/22 14:15	1
o-Terphenyl	78		70 - 130				06/09/22 10:13	06/10/22 14:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.9		4.95		mg/Kg			06/14/22 21:24	1

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

Lab Sample ID: 880-15629-27

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 12:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/11/22 18:59	06/13/22 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 12:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/11/22 18:59	06/13/22 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/11/22 18:59	06/13/22 12:35	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/11/22 18:59	06/13/22 12:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 14:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 14:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-27

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				06/09/22 10:13	06/10/22 14:37	1
o-Terphenyl	76		70 - 130				06/09/22 10:13	06/10/22 14:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.8		5.01		mg/Kg			06/14/22 21:34	1

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

Lab Sample ID: 880-15629-28

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 12:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 12:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 12:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/11/22 18:59	06/13/22 12:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/11/22 18:59	06/13/22 12:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/11/22 18:59	06/13/22 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/11/22 18:59	06/13/22 12:56	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/11/22 18:59	06/13/22 12:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				06/09/22 10:13	06/10/22 15:00	1
o-Terphenyl	81		70 - 130				06/09/22 10:13	06/10/22 15:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.4		4.99		mg/Kg			06/14/22 21:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-29

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 10:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 10:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 10:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/13/22 07:45	06/14/22 10:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 10:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/13/22 07:45	06/14/22 10:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/13/22 07:45	06/14/22 10:16	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/13/22 07:45	06/14/22 10:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 15:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 15:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	06/09/22 10:13	06/10/22 15:23	1
o-Terphenyl	77		70 - 130	06/09/22 10:13	06/10/22 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.0		4.97		mg/Kg			06/14/22 21:52	1

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

Lab Sample ID: 880-15629-30

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 10:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 10:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 10:37	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/13/22 07:45	06/14/22 10:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 10:37	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/13/22 07:45	06/14/22 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/13/22 07:45	06/14/22 10:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/13/22 07:45	06/14/22 10:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-30

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 15:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 15:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				06/09/22 10:13	06/10/22 15:45	1
o-Terphenyl	80		70 - 130				06/09/22 10:13	06/10/22 15:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.6		4.96		mg/Kg			06/14/22 22:01	1

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

Lab Sample ID: 880-15629-31

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/13/22 07:45	06/14/22 10:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/13/22 07:45	06/14/22 10:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/13/22 07:45	06/14/22 10:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/13/22 07:45	06/14/22 10:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/13/22 07:45	06/14/22 10:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/13/22 07:45	06/14/22 10:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/13/22 07:45	06/14/22 10:57	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/13/22 07:45	06/14/22 10:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 16:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 16:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-31

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				06/09/22 10:13	06/10/22 16:30	1
o-Terphenyl	83		70 - 130				06/09/22 10:13	06/10/22 16:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.0		5.04		mg/Kg			06/14/22 22:29	1

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

Lab Sample ID: 880-15629-32

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 11:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 11:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 11:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/13/22 07:45	06/14/22 11:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 11:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/13/22 07:45	06/14/22 11:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/13/22 07:45	06/14/22 11:18	1
1,4-Difluorobenzene (Surr)	87		70 - 130				06/13/22 07:45	06/14/22 11:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 16:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 16:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				06/09/22 10:13	06/10/22 16:53	1
o-Terphenyl	81		70 - 130				06/09/22 10:13	06/10/22 16:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.7		4.98		mg/Kg			06/14/22 22:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-15629-33

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 11:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 11:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 11:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/13/22 07:45	06/14/22 11:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/13/22 07:45	06/14/22 11:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/13/22 07:45	06/14/22 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/13/22 07:45	06/14/22 11:38	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/13/22 07:45	06/14/22 11:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 17:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 17:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	06/09/22 10:13	06/10/22 17:16	1
o-Terphenyl	78		70 - 130	06/09/22 10:13	06/10/22 17:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.4		5.05		mg/Kg			06/14/22 23:06	1

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

Lab Sample ID: 880-15629-34

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 11:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 11:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 11:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/13/22 07:45	06/14/22 11:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 11:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/13/22 07:45	06/14/22 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/13/22 07:45	06/14/22 11:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/13/22 07:45	06/14/22 11:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-34

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/09/22 10:13	06/10/22 17:38	1
o-Terphenyl	85		70 - 130				06/09/22 10:13	06/10/22 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		5.00		mg/Kg			06/14/22 23:15	1

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

Lab Sample ID: 880-15629-35

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 12:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 12:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 12:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/13/22 07:45	06/14/22 12:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 12:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/13/22 07:45	06/14/22 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/13/22 07:45	06/14/22 12:19	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/13/22 07:45	06/14/22 12:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 18:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 18:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-35

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				06/09/22 10:13	06/10/22 18:00	1
o-Terphenyl	77		70 - 130				06/09/22 10:13	06/10/22 18:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.7		4.99		mg/Kg			06/14/22 23:24	1

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-15629-36

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 12:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 12:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 12:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/13/22 07:45	06/14/22 12:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/13/22 07:45	06/14/22 12:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/13/22 07:45	06/14/22 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/13/22 07:45	06/14/22 12:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/13/22 07:45	06/14/22 12:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 18:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 18:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				06/09/22 10:13	06/10/22 18:22	1
o-Terphenyl	79		70 - 130				06/09/22 10:13	06/10/22 18:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.3		4.98		mg/Kg			06/14/22 23:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-15629-37

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/13/22 07:45	06/14/22 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/13/22 07:45	06/14/22 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/13/22 07:45	06/14/22 13:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/13/22 07:45	06/14/22 13:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 18:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 18:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	06/09/22 10:13	06/10/22 18:44	1
o-Terphenyl	74		70 - 130	06/09/22 10:13	06/10/22 18:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.8		4.95		mg/Kg			06/14/22 23:43	1

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-15629-38

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 13:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 13:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 13:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/13/22 07:45	06/14/22 13:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/13/22 07:45	06/14/22 13:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/13/22 07:45	06/14/22 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/13/22 07:45	06/14/22 13:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/13/22 07:45	06/14/22 13:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-15629-38

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 19:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 19:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				06/09/22 10:13	06/10/22 19:06	1
o-Terphenyl	77		70 - 130				06/09/22 10:13	06/10/22 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.0		4.98		mg/Kg			06/14/22 23:52	1

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-15629-39

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 04:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 04:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 04:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/14/22 11:32	06/15/22 04:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 04:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/14/22 11:32	06/15/22 04:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				06/14/22 11:32	06/15/22 04:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/14/22 11:32	06/15/22 04:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/22 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 19:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 19:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-15629-39

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/22 10:13	06/10/22 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130	06/09/22 10:13	06/10/22 19:29	1
o-Terphenyl	65	S1-	70 - 130	06/09/22 10:13	06/10/22 19:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.73		4.97		mg/Kg			06/15/22 00:01	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-15615-A-9-C MS	Matrix Spike	104	98
880-15615-A-9-D MSD	Matrix Spike Duplicate	107	101
880-15629-1	S-1 (0-1')	106	100
880-15629-2	S-1 (1.5')	110	101
880-15629-3	S-2 (0-1')	112	101
880-15629-4	S-2 (1.5')	112	102
880-15629-5	S-3 (0-1')	113	102
880-15629-6	S-3 (1.5')	108	101
880-15629-7	S-4 (0-1')	107	97
880-15629-8	S-4 (1.5')	114	103
880-15629-9	S-5 (0-1')	99	104
880-15629-9 MS	S-5 (0-1')	109	99
880-15629-9 MSD	S-5 (0-1')	105	103
880-15629-10	S-5 (1.5')	113	100
880-15629-11	S-6 (0-1')	121	94
880-15629-12	S-7 (0-1')	97	107
880-15629-13	S-7 (1.5')	102	102
880-15629-14	S-8 (0-1')	94	109
880-15629-15	S-8 (1.5')	93	109
880-15629-16	S-9 (0-1')	98	108
880-15629-17	S-9 (1.5')	92	106
880-15629-18	S-10 (0-1')	101	107
880-15629-19	S-10 (1.5')	105	90
880-15629-20	S-11 (0-1')	104	92
880-15629-21	S-11 (1.5')	106	93
880-15629-22	S-12 (0-1')	89	84
880-15629-23	S-12 (0-1')	110	99
880-15629-24	S-13 (0-1')	110	96
880-15629-25	H-1 (0-0.5')	110	93
880-15629-26	H-2 (0-0.5')	110	95
880-15629-27	H-3 (0-0.5')	109	93
880-15629-28	H-4 (0-0.5')	109	91
880-15629-29	H-5 (0-0.5')	108	93
880-15629-30	H-6 (0-0.5')	114	91
880-15629-31	H-7 (0-0.5')	112	93
880-15629-32	H-8 (0-0.5')	99	87
880-15629-33	H-9 (0-0.5')	104	87
880-15629-34	H-10 (0-0.5')	110	93
880-15629-35	H-11 (0-0.5')	110	93
880-15629-36	H-12 (0-0.5')	110	89
880-15629-37	H-13 (0-0.5')	109	92
880-15629-38	H-14 (0-0.5')	112	91
880-15629-39	H-15 (0-0.5')	96	92
880-15717-A-61-I MS	Matrix Spike	113	101
880-15717-A-61-J MSD	Matrix Spike Duplicate	106	99
890-2388-A-19-F MS	Matrix Spike	92	89
890-2388-A-19-G MSD	Matrix Spike Duplicate	87	94
890-2407-A-18-A MS	Matrix Spike	111	97
890-2407-A-18-B MSD	Matrix Spike Duplicate	98	88

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-15629-1

Project/Site: Scout State Com 605 Frac Spill

SDG: Eddy Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-27134/1-A	Lab Control Sample	103	102
LCS 880-27135/1-A	Lab Control Sample	94	102
LCS 880-27339/1-A	Lab Control Sample	109	99
LCS 880-27360/1-A	Lab Control Sample	107	98
LCS 880-27499/1-A	Lab Control Sample	107	102
LCSD 880-27134/2-A	Lab Control Sample Dup	103	101
LCSD 880-27135/2-A	Lab Control Sample Dup	95	103
LCSD 880-27339/2-A	Lab Control Sample Dup	108	99
LCSD 880-27360/2-A	Lab Control Sample Dup	109	99
LCSD 880-27499/2-A	Lab Control Sample Dup	107	100
MB 880-27134/5-A	Method Blank	99	98
MB 880-27135/5-A	Method Blank	96	105
MB 880-27169/5-A	Method Blank	98	97
MB 880-27255/5-A	Method Blank	100	90
MB 880-27339/5-A	Method Blank	99	88
MB 880-27360/5-A	Method Blank	103	89
MB 880-27445/5-A	Method Blank	101	90
MB 880-27492/5-A	Method Blank	101	91
MB 880-27499/5-A	Method Blank	101	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15629-1	S-1 (0-1')	77	79
880-15629-1 MS	S-1 (0-1')	86	81
880-15629-1 MSD	S-1 (0-1')	77	72
880-15629-2	S-1 (1.5')	88	91
880-15629-3	S-2 (0-1')	92	97
880-15629-4	S-2 (1.5')	91	95
880-15629-5	S-3 (0-1')	93	96
880-15629-6	S-3 (1.5')	90	96
880-15629-7	S-4 (0-1')	85	89
880-15629-8	S-4 (1.5')	95	100
880-15629-9	S-5 (0-1')	84	90
880-15629-10	S-5 (1.5')	86	91
880-15629-11	S-6 (0-1')	69 S1-	71
880-15629-12	S-7 (0-1')	84	88
880-15629-13	S-7 (1.5')	95	100
880-15629-14	S-8 (0-1')	86	92
880-15629-15	S-8 (1.5')	88	94
880-15629-16	S-9 (0-1')	87	93
880-15629-17	S-9 (1.5')	91	96
880-15629-18	S-10 (0-1')	90	92
880-15629-19	S-10 (1.5')	78	83

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-15629-1

Project/Site: Scout State Com 605 Frac Spill

SDG: Eddy Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15629-20	S-11 (0-1')	78	80
880-15629-21	S-11 (1.5')	79	82
880-15629-21 MS	S-11 (1.5')	73	7 S1-
880-15629-21 MSD	S-11 (1.5')	74	8 S1-
880-15629-22	S-12 (0-1')	72	76
880-15629-23	S-12 (0-1')	78	82
880-15629-24	S-13 (0-1')	76	80
880-15629-25	H-1 (0-0.5')	77	80
880-15629-26	H-2 (0-0.5')	76	78
880-15629-27	H-3 (0-0.5')	74	76
880-15629-28	H-4 (0-0.5')	77	81
880-15629-29	H-5 (0-0.5')	74	77
880-15629-30	H-6 (0-0.5')	77	80
880-15629-31	H-7 (0-0.5')	79	83
880-15629-32	H-8 (0-0.5')	77	81
880-15629-33	H-9 (0-0.5')	75	78
880-15629-34	H-10 (0-0.5')	81	85
880-15629-35	H-11 (0-0.5')	74	77
880-15629-36	H-12 (0-0.5')	76	79
880-15629-37	H-13 (0-0.5')	72	74
880-15629-38	H-14 (0-0.5')	74	77
880-15629-39	H-15 (0-0.5')	66 S1-	65 S1-
LCS 880-27165/2-A	Lab Control Sample	90	92
LCS 880-27167/2-A	Lab Control Sample	92	13 S1-
LCSD 880-27165/3-A	Lab Control Sample Dup	95	94
LCSD 880-27167/3-A	Lab Control Sample Dup	95	91
MB 880-27165/1-A	Method Blank	76	81
MB 880-27167/1-A	Method Blank	74	82

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27134/5-A

Matrix: Solid

Analysis Batch: 27183

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 04:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 04:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 04:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/22 08:57	06/10/22 04:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 08:57	06/10/22 04:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/22 08:57	06/10/22 04:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/09/22 08:57	06/10/22 04:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/09/22 08:57	06/10/22 04:04	1

Lab Sample ID: LCS 880-27134/1-A

Matrix: Solid

Analysis Batch: 27183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09129		mg/Kg		91	70 - 130
Toluene	0.100	0.09217		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08555		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1933		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09643		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-27134/2-A

Matrix: Solid

Analysis Batch: 27183

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27134

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08533		mg/Kg		85	70 - 130	7	35
Toluene	0.100	0.08782		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.08140		mg/Kg		81	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1850		mg/Kg		93	70 - 130	4	35
o-Xylene	0.100	0.09262		mg/Kg		93	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-15615-A-9-C MS

Matrix: Solid

Analysis Batch: 27183

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.101	0.06796	F1	mg/Kg		68	70 - 130
Toluene	<0.00199	U	0.101	0.07233		mg/Kg		72	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15615-A-9-C MS

Matrix: Solid

Analysis Batch: 27183

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.101	0.06648	F1	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1513		mg/Kg		75	70 - 130
o-Xylene	<0.00199	U	0.101	0.07547		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-15615-A-9-D MSD

Matrix: Solid

Analysis Batch: 27183

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.08403		mg/Kg		84	70 - 130	21	35
Toluene	<0.00199	U	0.100	0.08167		mg/Kg		82	70 - 130	12	35
Ethylbenzene	<0.00199	U F1	0.100	0.07311		mg/Kg		73	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1647		mg/Kg		82	70 - 130	9	35
o-Xylene	<0.00199	U	0.100	0.08261		mg/Kg		82	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-27135/5-A

Matrix: Solid

Analysis Batch: 27242

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 12:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 12:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 12:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/22 09:03	06/10/22 12:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 09:03	06/10/22 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/22 09:03	06/10/22 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/09/22 09:03	06/10/22 12:31	1
1,4-Difluorobenzene (Surr)	105		70 - 130	06/09/22 09:03	06/10/22 12:31	1

Lab Sample ID: LCS 880-27135/1-A

Matrix: Solid

Analysis Batch: 27242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1105		mg/Kg		111	70 - 130
Toluene	0.100	0.1000		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1991		mg/Kg		100	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: LCS 880-27135/1-A

Matrix: Solid

Analysis Batch: 27242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09137		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-27135/2-A

Matrix: Solid

Analysis Batch: 27242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27135

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1187		mg/Kg		119	70 - 130	7	35
Toluene	0.100	0.1048		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.1075		mg/Kg		108	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2077		mg/Kg		104	70 - 130	4	35
o-Xylene	0.100	0.09509		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-15629-9 MS

Matrix: Solid

Analysis Batch: 27242

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

Prep Type: Total/NA

Prep Batch: 27135

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.09382		mg/Kg		93	70 - 130
Toluene	<0.00199	U	0.101	0.09592		mg/Kg		95	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1981		mg/Kg		98	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.09100		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-15629-9 MSD

Matrix: Solid

Analysis Batch: 27242

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

Prep Type: Total/NA

Prep Batch: 27135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.08419		mg/Kg		83	70 - 130	11	35
Toluene	<0.00199	U	0.101	0.07723		mg/Kg		76	70 - 130	22	35
Ethylbenzene	<0.00199	U	0.101	0.07436		mg/Kg		74	70 - 130	30	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1435		mg/Kg		71	70 - 130	32	35
o-Xylene	<0.00199	U F1	0.101	0.06697	F1	mg/Kg		66	70 - 130	30	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-9 MSD

Matrix: Solid

Analysis Batch: 27242

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

Prep Type: Total/NA

Prep Batch: 27135

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-27169/5-A

Matrix: Solid

Analysis Batch: 27183

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27169

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 11:24	06/09/22 16:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 11:24	06/09/22 16:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 11:24	06/09/22 16:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/22 11:24	06/09/22 16:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 11:24	06/09/22 16:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/22 11:24	06/09/22 16:24	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				06/09/22 11:24	06/09/22 16:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/09/22 11:24	06/09/22 16:24	1

Lab Sample ID: MB 880-27255/5-A

Matrix: Solid

Analysis Batch: 27350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27255

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:18	06/12/22 18:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:18	06/12/22 18:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:18	06/12/22 18:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/22 09:18	06/12/22 18:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:18	06/12/22 18:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/22 09:18	06/12/22 18:29	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/10/22 09:18	06/12/22 18:29	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/10/22 09:18	06/12/22 18:29	1

Lab Sample ID: MB 880-27339/5-A

Matrix: Solid

Analysis Batch: 27350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27339

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 05:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 05:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 05:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/11/22 18:59	06/13/22 05:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/22 18:59	06/13/22 05:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/11/22 18:59	06/13/22 05:03	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: MB 880-27339/5-A

Matrix: Solid

Analysis Batch: 27350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27339

	MB	MB			
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	99		70 - 130	06/11/22 18:59	06/13/22 05:03
1,4-Difluorobenzene (Surr)	88		70 - 130	06/11/22 18:59	06/13/22 05:03

Lab Sample ID: LCS 880-27339/1-A

Matrix: Solid

Analysis Batch: 27350

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27339

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09833		mg/Kg		98	70 - 130		
Toluene	0.100	0.09876		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		106	70 - 130		
o-Xylene	0.100	0.1093		mg/Kg		109	70 - 130		

	LCS	LCS		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	109		70 - 130	
1,4-Difluorobenzene (Surr)	99		70 - 130	

Lab Sample ID: LCSD 880-27339/2-A

Matrix: Solid

Analysis Batch: 27350

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27339

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09303		mg/Kg		93	70 - 130	6	35	
Toluene	0.100	0.09280		mg/Kg		93	70 - 130	6	35	
Ethylbenzene	0.100	0.09968		mg/Kg		100	70 - 130	4	35	
m-Xylene & p-Xylene	0.200	0.2033		mg/Kg		102	70 - 130	5	35	
o-Xylene	0.100	0.1035		mg/Kg		103	70 - 130	5	35	

	LCSD	LCSD		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	108		70 - 130	
1,4-Difluorobenzene (Surr)	99		70 - 130	

Lab Sample ID: 880-15717-A-61-I MS

Matrix: Solid

Analysis Batch: 27350

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27339

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U	0.0998	0.09620		mg/Kg		96	70 - 130
Toluene	<0.00200	U	0.0998	0.09727		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.1033		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2124		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1087		mg/Kg		109	70 - 130

	MS	MS		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	113		70 - 130	
1,4-Difluorobenzene (Surr)	101		70 - 130	

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15717-A-61-J MSD

Matrix: Solid

Analysis Batch: 27350

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.08820		mg/Kg		89	70 - 130	9	35
Toluene	<0.00200	U	0.0994	0.08699		mg/Kg		88	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.0994	0.08973		mg/Kg		90	70 - 130	14	35
m-Xylene & p-Xylene	<0.00400	U	0.199	0.1794		mg/Kg		90	70 - 130	17	35
o-Xylene	<0.00200	U	0.0994	0.09254		mg/Kg		93	70 - 130	16	35

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

Lab Sample ID: MB 880-27360/5-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 04:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 04:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 04:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/13/22 07:45	06/14/22 04:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/13/22 07:45	06/14/22 04:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/13/22 07:45	06/14/22 04:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/13/22 07:45	06/14/22 04:46	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/13/22 07:45	06/14/22 04:46	1

Lab Sample ID: LCS 880-27360/1-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08289		mg/Kg		83	70 - 130
Toluene	0.100	0.08450		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08928		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1841		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09495		mg/Kg		95	70 - 130

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

Lab Sample ID: LCSD 880-27360/2-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08670		mg/Kg		87	70 - 130	4	35
Toluene	0.100	0.08916		mg/Kg		89	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: LCSD 880-27360/2-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.09378		mg/Kg		94	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1926		mg/Kg		96	70 - 130	5	35
o-Xylene	0.100	0.09955		mg/Kg		100	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-2407-A-18-A MS

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1 F2	0.101	0.08001		mg/Kg		79	70 - 130
Toluene	<0.00202	U F1 F2	0.101	0.08259		mg/Kg		81	70 - 130
Ethylbenzene	<0.00202	U F1 F2	0.101	0.08687		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.00912	F1 F2	0.202	0.1821		mg/Kg		86	70 - 130
o-Xylene	0.00250	F1 F2	0.101	0.09071		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-2407-A-18-B MSD

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1 F2	0.100	0.02925	F1 F2	mg/Kg		29	70 - 130	93	35
Toluene	<0.00202	U F1 F2	0.100	0.03577	F1 F2	mg/Kg		35	70 - 130	79	35
Ethylbenzene	<0.00202	U F1 F2	0.100	0.03890	F1 F2	mg/Kg		38	70 - 130	76	35
m-Xylene & p-Xylene	0.00912	F1 F2	0.200	0.08167	F1 F2	mg/Kg		36	70 - 130	76	35
o-Xylene	0.00250	F1 F2	0.100	0.04373	F1 F2	mg/Kg		41	70 - 130	70	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: MB 880-27445/5-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/13/22 13:48	06/13/22 18:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/13/22 13:48	06/13/22 18:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/13/22 13:48	06/13/22 18:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/13/22 13:48	06/13/22 18:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/13/22 13:48	06/13/22 18:12	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: MB 880-27445/5-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/13/22 13:48	06/13/22 18:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/13/22 13:48	06/13/22 18:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/13/22 13:48	06/13/22 18:12	1

Lab Sample ID: MB 880-27492/5-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/14/22 10:17	06/14/22 16:13	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/14/22 10:17	06/14/22 16:13	1

Lab Sample ID: MB 880-27499/5-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/14/22 11:32	06/15/22 03:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/14/22 11:32	06/15/22 03:41	1

Lab Sample ID: LCS 880-27499/1-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1014		mg/Kg		101	70 - 130
Toluene	0.100	0.09772		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2037		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-27499/2-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27499

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1084		mg/Kg		108	70 - 130	7	35
Toluene	0.100	0.1050		mg/Kg		105	70 - 130	7	35
Ethylbenzene	0.100	0.1109		mg/Kg		111	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2208		mg/Kg		110	70 - 130	8	35
o-Xylene	0.100	0.1121		mg/Kg		112	70 - 130	9	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2388-A-19-F MS

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27499

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.03062	F1	mg/Kg		31	70 - 130
Toluene	<0.00200	U F1	0.100	0.03557	F1	mg/Kg		36	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.03756	F1	mg/Kg		37	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.07761	F1	mg/Kg		39	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.04337	F1	mg/Kg		43	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-2388-A-19-G MSD

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27499

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.03440	F1	mg/Kg		35	70 - 130	12	35
Toluene	<0.00200	U F1	0.0996	0.04224	F1	mg/Kg		42	70 - 130	17	35
Ethylbenzene	<0.00200	U F1	0.0996	0.04317	F1	mg/Kg		43	70 - 130	14	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.08736	F1	mg/Kg		44	70 - 130	12	35
o-Xylene	<0.00200	U F1	0.0996	0.05106	F1	mg/Kg		51	70 - 130	16	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: MB 880-27165/1-A

Matrix: Solid

Analysis Batch: 27246

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 10:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 10:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:10	06/10/22 10:28	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				06/09/22 10:10	06/10/22 10:28	1
o-Terphenyl	81		70 - 130				06/09/22 10:10	06/10/22 10:28	1

Lab Sample ID: LCS 880-27165/2-A

Matrix: Solid

Analysis Batch: 27246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	958.2		mg/Kg		96	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	90		70 - 130				
o-Terphenyl	92		70 - 130				

Lab Sample ID: LCSD 880-27165/3-A

Matrix: Solid

Analysis Batch: 27246

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27165

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	970.9		mg/Kg		97	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1014		mg/Kg		101	70 - 130	6	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 880-15629-1 MS

Matrix: Solid

Analysis Batch: 27246

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

Prep Type: Total/NA

Prep Batch: 27165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	997	954.5		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	672.5	F1	mg/Kg		67	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-1 MS

Matrix: Solid

Analysis Batch: 27246

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

Prep Type: Total/NA

Prep Batch: 27165

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-15629-1 MSD

Matrix: Solid

Analysis Batch: 27246

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

Prep Type: Total/NA

Prep Batch: 27165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	1000	740.1	F2	mg/Kg		72	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	606.7	F1	mg/Kg		61	70 - 130	10	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: MB 880-27167/1-A

Matrix: Solid

Analysis Batch: 27244

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 10:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 10:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/22 10:13	06/10/22 10:28	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	74		70 - 130	06/09/22 10:13	06/10/22 10:28	1
o-Terphenyl	82		70 - 130	06/09/22 10:13	06/10/22 10:28	1

Lab Sample ID: LCS 880-27167/2-A

Matrix: Solid

Analysis Batch: 27244

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	872.5		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	13	S1-	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: LCSD 880-27167/3-A

Matrix: Solid

Analysis Batch: 27244

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27167

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	887.3		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	91		70 - 130						

Lab Sample ID: 880-15629-21 MS

Matrix: Solid

Analysis Batch: 27244

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 27167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	644.5	F1	mg/Kg		65	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	711.7	F1	mg/Kg		67	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	73		70 - 130								
o-Terphenyl	7	S1-	70 - 130								

Lab Sample ID: 880-15629-21 MSD

Matrix: Solid

Analysis Batch: 27244

Client Sample ID: S-11 (1.5')

Prep Type: Total/NA

Prep Batch: 27167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	720.3		mg/Kg		72	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	734.3	F1	mg/Kg		69	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	74		70 - 130								
o-Terphenyl	8	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27189/1-A

Matrix: Solid

Analysis Batch: 27504

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/16/22 01:27	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-27189/2-A

Matrix: Solid

Analysis Batch: 27504

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-27189/3-A

Matrix: Solid

Analysis Batch: 27504

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.8		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 880-15629-10 MS

Matrix: Solid

Analysis Batch: 27504

Client Sample ID: S-5 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5970		2500	8312		mg/Kg		94	90 - 110

Lab Sample ID: 880-15629-10 MSD

Matrix: Solid

Analysis Batch: 27504

Client Sample ID: S-5 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5970		2500	8337		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-27191/1-A

Matrix: Solid

Analysis Batch: 27505

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/14/22 19:25	1

Lab Sample ID: LCS 880-27191/2-A

Matrix: Solid

Analysis Batch: 27505

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.6		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-27191/3-A

Matrix: Solid

Analysis Batch: 27505

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.8		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-15629-20 MS

Matrix: Solid

Analysis Batch: 27505

Client Sample ID: S-11 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1090		250	1282	4	mg/Kg		78	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-15629-20 MSD

Matrix: Solid

Analysis Batch: 27505

Client Sample ID: S-11 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1090		250	1285	4	mg/Kg		79	90 - 110	0	20

Lab Sample ID: 880-15629-30 MS

Matrix: Solid

Analysis Batch: 27505

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	88.6		248	337.1		mg/Kg		100	90 - 110		

Lab Sample ID: 880-15629-30 MSD

Matrix: Solid

Analysis Batch: 27505

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	88.6		248	340.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: MB 880-27700/1-A

Matrix: Solid

Analysis Batch: 27703

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/16/22 13:58	1

Lab Sample ID: LCS 880-27700/2-A

Matrix: Solid

Analysis Batch: 27703

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	252.2		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-27700/3-A

Matrix: Solid

Analysis Batch: 27703

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	252.4		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-2413-A-4-E MS

Matrix: Solid

Analysis Batch: 27703

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	417		249	648.6		mg/Kg		93	90 - 110		

Lab Sample ID: 890-2413-A-4-F MSD

Matrix: Solid

Analysis Batch: 27703

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	417		249	648.9		mg/Kg		93	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC VOA

Prep Batch: 27134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Total/NA	Solid	5035	
880-15629-2	S-1 (1.5')	Total/NA	Solid	5035	
880-15629-3	S-2 (0-1')	Total/NA	Solid	5035	
880-15629-4	S-2 (1.5')	Total/NA	Solid	5035	
880-15629-5	S-3 (0-1')	Total/NA	Solid	5035	
880-15629-6	S-3 (1.5')	Total/NA	Solid	5035	
880-15629-7	S-4 (0-1')	Total/NA	Solid	5035	
880-15629-8	S-4 (1.5')	Total/NA	Solid	5035	
MB 880-27134/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27134/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27134/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15615-A-9-C MS	Matrix Spike	Total/NA	Solid	5035	
880-15615-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 27135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-9	S-5 (0-1')	Total/NA	Solid	5035	
880-15629-10	S-5 (1.5')	Total/NA	Solid	5035	
880-15629-11	S-6 (0-1')	Total/NA	Solid	5035	
880-15629-12	S-7 (0-1')	Total/NA	Solid	5035	
880-15629-13	S-7 (1.5')	Total/NA	Solid	5035	
880-15629-14	S-8 (0-1')	Total/NA	Solid	5035	
880-15629-15	S-8 (1.51')	Total/NA	Solid	5035	
880-15629-16	S-9 (0-1')	Total/NA	Solid	5035	
880-15629-17	S-9 (1.5')	Total/NA	Solid	5035	
880-15629-18	S-10 (0-1')	Total/NA	Solid	5035	
MB 880-27135/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27135/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27135/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15629-9 MS	S-5 (0-1')	Total/NA	Solid	5035	
880-15629-9 MSD	S-5 (0-1')	Total/NA	Solid	5035	

Prep Batch: 27169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27169/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 27183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Total/NA	Solid	8021B	27134
880-15629-2	S-1 (1.5')	Total/NA	Solid	8021B	27134
880-15629-3	S-2 (0-1')	Total/NA	Solid	8021B	27134
880-15629-4	S-2 (1.5')	Total/NA	Solid	8021B	27134
880-15629-5	S-3 (0-1')	Total/NA	Solid	8021B	27134
880-15629-6	S-3 (1.5')	Total/NA	Solid	8021B	27134
880-15629-7	S-4 (0-1')	Total/NA	Solid	8021B	27134
880-15629-8	S-4 (1.5')	Total/NA	Solid	8021B	27134
MB 880-27134/5-A	Method Blank	Total/NA	Solid	8021B	27134
MB 880-27169/5-A	Method Blank	Total/NA	Solid	8021B	27169
LCS 880-27134/1-A	Lab Control Sample	Total/NA	Solid	8021B	27134
LCSD 880-27134/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27134
880-15615-A-9-C MS	Matrix Spike	Total/NA	Solid	8021B	27134

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC VOA (Continued)

Analysis Batch: 27183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15615-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27134

Analysis Batch: 27242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-9	S-5 (0-1')	Total/NA	Solid	8021B	27135
880-15629-10	S-5 (1.5')	Total/NA	Solid	8021B	27135
880-15629-11	S-6 (0-1')	Total/NA	Solid	8021B	27135
880-15629-12	S-7 (0-1')	Total/NA	Solid	8021B	27135
880-15629-13	S-7 (1.5')	Total/NA	Solid	8021B	27135
880-15629-14	S-8 (0-1')	Total/NA	Solid	8021B	27135
880-15629-15	S-8 (1.51')	Total/NA	Solid	8021B	27135
880-15629-16	S-9 (0-1')	Total/NA	Solid	8021B	27135
880-15629-17	S-9 (1.5')	Total/NA	Solid	8021B	27135
880-15629-18	S-10 (0-1')	Total/NA	Solid	8021B	27135
MB 880-27135/5-A	Method Blank	Total/NA	Solid	8021B	27135
LCS 880-27135/1-A	Lab Control Sample	Total/NA	Solid	8021B	27135
LCSD 880-27135/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27135
880-15629-9 MS	S-5 (0-1')	Total/NA	Solid	8021B	27135
880-15629-9 MSD	S-5 (0-1')	Total/NA	Solid	8021B	27135

Prep Batch: 27255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27255/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 27339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-19	S-10 (1.5')	Total/NA	Solid	5035	
880-15629-20	S-11 (0-1')	Total/NA	Solid	5035	
880-15629-21	S-11 (1.5')	Total/NA	Solid	5035	
880-15629-22	S-12 (0-1')	Total/NA	Solid	5035	
880-15629-23	S-12 (0-1')	Total/NA	Solid	5035	
880-15629-24	S-13 (0-1')	Total/NA	Solid	5035	
880-15629-25	H-1 (0-0.5')	Total/NA	Solid	5035	
880-15629-26	H-2 (0-0.5')	Total/NA	Solid	5035	
880-15629-27	H-3 (0-0.5')	Total/NA	Solid	5035	
880-15629-28	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-27339/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27339/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27339/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15717-A-61-I MS	Matrix Spike	Total/NA	Solid	5035	
880-15717-A-61-J MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-19	S-10 (1.5')	Total/NA	Solid	8021B	27339
880-15629-20	S-11 (0-1')	Total/NA	Solid	8021B	27339
880-15629-21	S-11 (1.5')	Total/NA	Solid	8021B	27339
880-15629-22	S-12 (0-1')	Total/NA	Solid	8021B	27339
880-15629-23	S-12 (0-1')	Total/NA	Solid	8021B	27339
880-15629-24	S-13 (0-1')	Total/NA	Solid	8021B	27339
880-15629-25	H-1 (0-0.5')	Total/NA	Solid	8021B	27339

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC VOA (Continued)

Analysis Batch: 27350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-26	H-2 (0-0.5')	Total/NA	Solid	8021B	27339
880-15629-27	H-3 (0-0.5')	Total/NA	Solid	8021B	27339
880-15629-28	H-4 (0-0.5')	Total/NA	Solid	8021B	27339
MB 880-27255/5-A	Method Blank	Total/NA	Solid	8021B	27255
MB 880-27339/5-A	Method Blank	Total/NA	Solid	8021B	27339
LCS 880-27339/1-A	Lab Control Sample	Total/NA	Solid	8021B	27339
LCSD 880-27339/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27339
880-15717-A-61-I MS	Matrix Spike	Total/NA	Solid	8021B	27339
880-15717-A-61-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27339

Prep Batch: 27360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-29	H-5 (0-0.5')	Total/NA	Solid	5035	
880-15629-30	H-6 (0-0.5')	Total/NA	Solid	5035	
880-15629-31	H-7 (0-0.5')	Total/NA	Solid	5035	
880-15629-32	H-8 (0-0.5')	Total/NA	Solid	5035	
880-15629-33	H-9 (0-0.5')	Total/NA	Solid	5035	
880-15629-34	H-10 (0-0.5')	Total/NA	Solid	5035	
880-15629-35	H-11 (0-0.5')	Total/NA	Solid	5035	
880-15629-36	H-12 (0-0.5')	Total/NA	Solid	5035	
880-15629-37	H-13 (0-0.5')	Total/NA	Solid	5035	
880-15629-38	H-14 (0-0.5')	Total/NA	Solid	5035	
MB 880-27360/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27360/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27360/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2407-A-18-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2407-A-18-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-3	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-4	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-5	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-6	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-7	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-8	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-9	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-10	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-11	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-12	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-13	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-14	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-15	S-8 (1.51')	Total/NA	Solid	Total BTEX	
880-15629-16	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-17	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-18	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-19	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-15629-20	S-11 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-21	S-11 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC VOA (Continued)

Analysis Batch: 27418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-22	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-23	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-24	S-13 (0-1')	Total/NA	Solid	Total BTEX	
880-15629-25	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-26	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-27	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-28	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-29	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-30	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-31	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-32	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-33	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-34	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-35	H-11 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-36	H-12 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-37	H-13 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-38	H-14 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15629-39	H-15 (0-0.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 27442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-29	H-5 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-30	H-6 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-31	H-7 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-32	H-8 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-33	H-9 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-34	H-10 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-35	H-11 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-36	H-12 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-37	H-13 (0-0.5')	Total/NA	Solid	8021B	27360
880-15629-38	H-14 (0-0.5')	Total/NA	Solid	8021B	27360
MB 880-27360/5-A	Method Blank	Total/NA	Solid	8021B	27360
MB 880-27445/5-A	Method Blank	Total/NA	Solid	8021B	27445
LCS 880-27360/1-A	Lab Control Sample	Total/NA	Solid	8021B	27360
LCSD 880-27360/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27360
890-2407-A-18-A MS	Matrix Spike	Total/NA	Solid	8021B	27360
890-2407-A-18-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27360

Prep Batch: 27445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27445/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 27492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27492/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 27499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-39	H-15 (0-0.5')	Total/NA	Solid	5035	
MB 880-27499/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27499/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC VOA (Continued)

Prep Batch: 27499 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-27499/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2388-A-19-F MS	Matrix Spike	Total/NA	Solid	5035	
890-2388-A-19-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-39	H-15 (0-0.5')	Total/NA	Solid	8021B	27499
MB 880-27492/5-A	Method Blank	Total/NA	Solid	8021B	27492
MB 880-27499/5-A	Method Blank	Total/NA	Solid	8021B	27499
LCS 880-27499/1-A	Lab Control Sample	Total/NA	Solid	8021B	27499
LCSD 880-27499/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27499
890-2388-A-19-F MS	Matrix Spike	Total/NA	Solid	8021B	27499
890-2388-A-19-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27499

GC Semi VOA

Prep Batch: 27165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-3	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-4	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-5	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-6	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-7	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-8	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-9	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-10	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-11	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-12	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-13	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-14	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-15	S-8 (1.51')	Total/NA	Solid	8015NM Prep	
880-15629-16	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-17	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-18	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-19	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-20	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-27165/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27165/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27165/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15629-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 27167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-21	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-22	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-23	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-24	S-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-15629-25	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC Semi VOA (Continued)

Prep Batch: 27167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-26	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-27	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-28	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-29	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-30	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-31	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-32	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-33	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-34	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-35	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-36	H-12 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-37	H-13 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-38	H-14 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15629-39	H-15 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-27167/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27167/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15629-21 MS	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-15629-21 MSD	S-11 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-21	S-11 (1.5')	Total/NA	Solid	8015B NM	27167
880-15629-22	S-12 (0-1')	Total/NA	Solid	8015B NM	27167
880-15629-23	S-12 (0-1')	Total/NA	Solid	8015B NM	27167
880-15629-24	S-13 (0-1')	Total/NA	Solid	8015B NM	27167
880-15629-25	H-1 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-26	H-2 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-27	H-3 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-28	H-4 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-29	H-5 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-30	H-6 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-31	H-7 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-32	H-8 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-33	H-9 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-34	H-10 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-35	H-11 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-36	H-12 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-37	H-13 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-38	H-14 (0-0.5')	Total/NA	Solid	8015B NM	27167
880-15629-39	H-15 (0-0.5')	Total/NA	Solid	8015B NM	27167
MB 880-27167/1-A	Method Blank	Total/NA	Solid	8015B NM	27167
LCS 880-27167/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27167
LCSD 880-27167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27167
880-15629-21 MS	S-11 (1.5')	Total/NA	Solid	8015B NM	27167
880-15629-21 MSD	S-11 (1.5')	Total/NA	Solid	8015B NM	27167

Analysis Batch: 27246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-2	S-1 (1.5')	Total/NA	Solid	8015B NM	27165

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC Semi VOA (Continued)

Analysis Batch: 27246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-3	S-2 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-4	S-2 (1.5')	Total/NA	Solid	8015B NM	27165
880-15629-5	S-3 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-6	S-3 (1.5')	Total/NA	Solid	8015B NM	27165
880-15629-7	S-4 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-8	S-4 (1.5')	Total/NA	Solid	8015B NM	27165
880-15629-9	S-5 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-10	S-5 (1.5')	Total/NA	Solid	8015B NM	27165
880-15629-11	S-6 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-12	S-7 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-13	S-7 (1.5')	Total/NA	Solid	8015B NM	27165
880-15629-14	S-8 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-15	S-8 (1.51')	Total/NA	Solid	8015B NM	27165
880-15629-16	S-9 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-17	S-9 (1.5')	Total/NA	Solid	8015B NM	27165
880-15629-18	S-10 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-19	S-10 (1.5')	Total/NA	Solid	8015B NM	27165
880-15629-20	S-11 (0-1')	Total/NA	Solid	8015B NM	27165
MB 880-27165/1-A	Method Blank	Total/NA	Solid	8015B NM	27165
LCS 880-27165/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27165
LCSD 880-27165/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27165
880-15629-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	27165
880-15629-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	27165

Analysis Batch: 27365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-15629-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-15629-3	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-15629-4	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-15629-5	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-15629-6	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-15629-7	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-15629-8	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-15629-9	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-15629-10	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-15629-11	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-15629-12	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-15629-13	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-15629-14	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-15629-15	S-8 (1.51')	Total/NA	Solid	8015 NM	
880-15629-16	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-15629-17	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-15629-18	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-15629-19	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-15629-20	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-15629-21	S-11 (1.5')	Total/NA	Solid	8015 NM	
880-15629-22	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-15629-23	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-15629-24	S-13 (0-1')	Total/NA	Solid	8015 NM	
880-15629-25	H-1 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

GC Semi VOA (Continued)

Analysis Batch: 27365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-26	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-27	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-28	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-29	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-30	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-31	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-32	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-33	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-34	H-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-35	H-11 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-36	H-12 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-37	H-13 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-38	H-14 (0-0.5')	Total/NA	Solid	8015 NM	
880-15629-39	H-15 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-15629-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-15629-3	S-2 (0-1')	Soluble	Solid	DI Leach	
880-15629-4	S-2 (1.5')	Soluble	Solid	DI Leach	
880-15629-5	S-3 (0-1')	Soluble	Solid	DI Leach	
880-15629-6	S-3 (1.5')	Soluble	Solid	DI Leach	
880-15629-7	S-4 (0-1')	Soluble	Solid	DI Leach	
880-15629-8	S-4 (1.5')	Soluble	Solid	DI Leach	
880-15629-9	S-5 (0-1')	Soluble	Solid	DI Leach	
880-15629-10	S-5 (1.5')	Soluble	Solid	DI Leach	
880-15629-11	S-6 (0-1')	Soluble	Solid	DI Leach	
880-15629-12	S-7 (0-1')	Soluble	Solid	DI Leach	
880-15629-14	S-8 (0-1')	Soluble	Solid	DI Leach	
880-15629-15	S-8 (1.5')	Soluble	Solid	DI Leach	
880-15629-16	S-9 (0-1')	Soluble	Solid	DI Leach	
880-15629-18	S-10 (0-1')	Soluble	Solid	DI Leach	
880-15629-19	S-10 (1.5')	Soluble	Solid	DI Leach	
MB 880-27189/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27189/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27189/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15629-10 MS	S-5 (1.5')	Soluble	Solid	DI Leach	
880-15629-10 MSD	S-5 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 27191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-20	S-11 (0-1')	Soluble	Solid	DI Leach	
880-15629-21	S-11 (1.5')	Soluble	Solid	DI Leach	
880-15629-22	S-12 (0-1')	Soluble	Solid	DI Leach	
880-15629-23	S-12 (0-1')	Soluble	Solid	DI Leach	
880-15629-24	S-13 (0-1')	Soluble	Solid	DI Leach	
880-15629-25	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-26	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 27191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-27	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-28	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-29	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-30	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-31	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-32	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-33	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-34	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-35	H-11 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-36	H-12 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-37	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-38	H-14 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-39	H-15 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-27191/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27191/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27191/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15629-20 MS	S-11 (0-1')	Soluble	Solid	DI Leach	
880-15629-20 MSD	S-11 (0-1')	Soluble	Solid	DI Leach	
880-15629-30 MS	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-15629-30 MSD	H-6 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 27504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-1	S-1 (0-1')	Soluble	Solid	300.0	27189
880-15629-2	S-1 (1.5')	Soluble	Solid	300.0	27189
880-15629-3	S-2 (0-1')	Soluble	Solid	300.0	27189
880-15629-4	S-2 (1.5')	Soluble	Solid	300.0	27189
880-15629-5	S-3 (0-1')	Soluble	Solid	300.0	27189
880-15629-6	S-3 (1.5')	Soluble	Solid	300.0	27189
880-15629-7	S-4 (0-1')	Soluble	Solid	300.0	27189
880-15629-8	S-4 (1.5')	Soluble	Solid	300.0	27189
880-15629-9	S-5 (0-1')	Soluble	Solid	300.0	27189
880-15629-10	S-5 (1.5')	Soluble	Solid	300.0	27189
880-15629-11	S-6 (0-1')	Soluble	Solid	300.0	27189
880-15629-12	S-7 (0-1')	Soluble	Solid	300.0	27189
880-15629-14	S-8 (0-1')	Soluble	Solid	300.0	27189
880-15629-15	S-8 (1.51')	Soluble	Solid	300.0	27189
880-15629-16	S-9 (0-1')	Soluble	Solid	300.0	27189
880-15629-18	S-10 (0-1')	Soluble	Solid	300.0	27189
880-15629-19	S-10 (1.5')	Soluble	Solid	300.0	27189
MB 880-27189/1-A	Method Blank	Soluble	Solid	300.0	27189
LCS 880-27189/2-A	Lab Control Sample	Soluble	Solid	300.0	27189
LCSD 880-27189/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27189
880-15629-10 MS	S-5 (1.5')	Soluble	Solid	300.0	27189
880-15629-10 MSD	S-5 (1.5')	Soluble	Solid	300.0	27189

Analysis Batch: 27505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-20	S-11 (0-1')	Soluble	Solid	300.0	27191
880-15629-21	S-11 (1.5')	Soluble	Solid	300.0	27191
880-15629-22	S-12 (0-1')	Soluble	Solid	300.0	27191

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

HPLC/IC (Continued)

Analysis Batch: 27505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-23	S-12 (0-1')	Soluble	Solid	300.0	27191
880-15629-24	S-13 (0-1')	Soluble	Solid	300.0	27191
880-15629-25	H-1 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-26	H-2 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-27	H-3 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-28	H-4 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-29	H-5 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-30	H-6 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-31	H-7 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-32	H-8 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-33	H-9 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-34	H-10 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-35	H-11 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-36	H-12 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-37	H-13 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-38	H-14 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-39	H-15 (0-0.5')	Soluble	Solid	300.0	27191
MB 880-27191/1-A	Method Blank	Soluble	Solid	300.0	27191
LCS 880-27191/2-A	Lab Control Sample	Soluble	Solid	300.0	27191
LCSD 880-27191/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27191
880-15629-20 MS	S-11 (0-1')	Soluble	Solid	300.0	27191
880-15629-20 MSD	S-11 (0-1')	Soluble	Solid	300.0	27191
880-15629-30 MS	H-6 (0-0.5')	Soluble	Solid	300.0	27191
880-15629-30 MSD	H-6 (0-0.5')	Soluble	Solid	300.0	27191

Leach Batch: 27700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-13	S-7 (1.5')	Soluble	Solid	DI Leach	
880-15629-17	S-9 (1.5')	Soluble	Solid	DI Leach	
MB 880-27700/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27700/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27700/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2413-A-4-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2413-A-4-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 27703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15629-13	S-7 (1.5')	Soluble	Solid	300.0	27700
880-15629-17	S-9 (1.5')	Soluble	Solid	300.0	27700
MB 880-27700/1-A	Method Blank	Soluble	Solid	300.0	27700
LCS 880-27700/2-A	Lab Control Sample	Soluble	Solid	300.0	27700
LCSD 880-27700/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27700
890-2413-A-4-E MS	Matrix Spike	Soluble	Solid	300.0	27700
890-2413-A-4-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27700

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-1

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 10:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 11:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 02:14	CH	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-15629-2

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 10:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 12:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 02:22	CH	XEN MID

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

Lab Sample ID: 880-15629-3

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 10:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 13:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 02:30	CH	XEN MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-15629-4

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 11:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-15629-4

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 13:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			27504	06/16/22 02:37	CH	XEN MID

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

Lab Sample ID: 880-15629-5

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 11:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 13:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		10			27504	06/16/22 03:01	CH	XEN MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-15629-6

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 11:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 14:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 03:09	CH	XEN MID

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

Lab Sample ID: 880-15629-7

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 12:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 14:37	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-7

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		10			27504	06/16/22 03:17	CH	XEN MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-15629-8

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27134	06/09/22 08:57	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27183	06/10/22 12:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 15:00	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 03:25	CH	XEN MID

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

Lab Sample ID: 880-15629-9

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 12:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		10			27504	06/16/22 03:32	CH	XEN MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-15629-10

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 13:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		10			27504	06/16/22 03:40	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-11

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 13:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 16:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		10			27504	06/16/22 04:04	CH	XEN MID

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

Lab Sample ID: 880-15629-12

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 13:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 16:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		20			27504	06/16/22 04:12	CH	XEN MID

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-15629-13

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 14:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 17:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27700	06/16/22 12:26	SC	XEN MID
Soluble	Analysis	300.0		10			27703	06/16/22 17:40	CH	XEN MID

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

Lab Sample ID: 880-15629-14

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 14:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-14

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		20			27504	06/16/22 04:43	CH	XEN MID

Client Sample ID: S-8 (1.51')

Lab Sample ID: 880-15629-15

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 14:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 18:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		20			27504	06/16/22 04:51	CH	XEN MID

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-15629-16

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 15:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 18:22	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 04:59	CH	XEN MID

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-15629-17

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 15:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 18:44	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-15629-17

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	27700	06/16/22 12:26	SC	XEN MID
Soluble	Analysis	300.0		1			27703	06/16/22 17:49	CH	XEN MID

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-15629-18

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27135	06/09/22 09:03	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27242	06/10/22 16:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 05:08	CH	XEN MID

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-15629-19

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 08:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 19:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27189	06/09/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		5			27504	06/16/22 05:15	CH	XEN MID

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-15629-20

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 08:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27165	06/09/22 10:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27246	06/10/22 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 19:52	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-15629-21

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 10:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 11:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		5			27505	06/14/22 20:20	CH	XEN MID

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15629-22

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 10:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 12:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		5			27505	06/14/22 20:29	CH	XEN MID

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15629-23

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 11:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 13:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		10			27505	06/14/22 20:38	CH	XEN MID

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-15629-24

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 11:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-15629-24

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 13:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 20:48	CH	XEN MID

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

Lab Sample ID: 880-15629-25

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 11:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 13:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 21:15	CH	XEN MID

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

Lab Sample ID: 880-15629-26

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 12:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 14:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 21:24	CH	XEN MID

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

Lab Sample ID: 880-15629-27

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 12:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 14:37	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Date Collected: 06/07/22 00:00

Date Received: 06/08/22 10:59

Lab Sample ID: 880-15629-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 21:34	CH	XEN MID

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

Date Collected: 06/07/22 00:00

Date Received: 06/08/22 10:59

Lab Sample ID: 880-15629-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27339	06/11/22 18:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27350	06/13/22 12:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 15:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 21:43	CH	XEN MID

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

Date Collected: 06/07/22 00:00

Date Received: 06/08/22 10:59

Lab Sample ID: 880-15629-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 10:16	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 21:52	CH	XEN MID

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

Date Collected: 06/07/22 00:00

Date Received: 06/08/22 10:59

Lab Sample ID: 880-15629-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 10:37	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 22:01	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-31

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 10:57	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 16:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 22:29	CH	XEN MID

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

Lab Sample ID: 880-15629-32

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 11:18	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 16:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 22:38	CH	XEN MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-15629-33

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 11:38	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 17:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 23:06	CH	XEN MID

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

Lab Sample ID: 880-15629-34

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 11:59	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15629-34

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 23:15	CH	XEN MID

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

Lab Sample ID: 880-15629-35

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 12:19	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 18:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 23:24	CH	XEN MID

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-15629-36

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 12:40	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 18:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 23:34	CH	XEN MID

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-15629-37

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 13:00	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 18:44	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-15629-37

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 23:43	CH	XEN MID

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-15629-38

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 13:21	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/14/22 23:52	CH	XEN MID

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-15629-39

Date Collected: 06/07/22 00:00

Matrix: Solid

Date Received: 06/08/22 10:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27499	06/14/22 11:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 04:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27418	06/13/22 12:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27365	06/13/22 08:58	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27167	06/09/22 10:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27244	06/10/22 19:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27191	06/09/22 12:46	CH	XEN MID
Soluble	Analysis	300.0		1			27505	06/15/22 00:01	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
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Method Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-15629-1
SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15629-1	S-1 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-2	S-1 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-3	S-2 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-4	S-2 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-5	S-3 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-6	S-3 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-7	S-4 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-8	S-4 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-9	S-5 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-10	S-5 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-11	S-6 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-12	S-7 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-13	S-7 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-14	S-8 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-15	S-8 (1.51')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-16	S-9 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-17	S-9 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-18	S-10 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-19	S-10 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-20	S-11 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-21	S-11 (1.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-22	S-12 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-23	S-12 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-24	S-13 (0-1')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-25	H-1 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-26	H-2 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-27	H-3 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-28	H-4 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-29	H-5 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-30	H-6 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-31	H-7 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-32	H-8 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-33	H-9 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-34	H-10 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-35	H-11 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-36	H-12 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-37	H-13 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-38	H-14 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59
880-15629-39	H-15 (0-0.5')	Solid	06/07/22 00:00	06/08/22 10:59

Work Order Comments				
Program: UST/PST	☐ RP	☐ Rowfields	☐ RC	☐ perfund
State of Project:				
Reporting Level II	☐ Level III	☐ PST/UST	☐ RRP	☐ Level IV
Deliverables	EDD	☐	Adapt	☐ Other

[illegible]

Comments: Email to [Mike Carrona Mccarrona@carmonaresources.com](mailto:Mike.Carrona@carmonaresources.com) and Commer Moehring Cmoehring@carmonaresources.com

880-15629 Chain of Custody

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Work Order No: 156204

Page 2 of 4

Project Manager	Conner Moehring	Bill to (if different)	
Company Name	Carmona Resources	Company Name	
Address	310 West Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

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

Project Name		Scout State Com 605 Frac Spill		Turn Around			ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Project Location	Eddy Co. NM	TPH 8015M (GRO + DRO + MRO)												Chloride 300.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

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

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	6/8/22 10:59		

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Work Order No: 15629

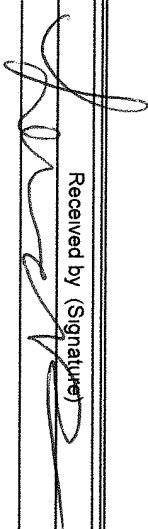
Page 3 of 4

Project Manager	Conner Moehring	Bill to (if different)	
Company Name	Carmona Resources	Company Name	
Address	310 West Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

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

Project Name		Scout State Com 605 Frac Spill		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number	1071	☒ Routine	☐ Rush	Pres. Code													None NO	DI Water H ₂ O	
Project Location	Eddy Co. NM	Due Date															Cool Cool	MeOH Me	
Sampler's Name	CRM																HCL HC	HNO ₃ HN	
PO #:																	H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No											H ₃ PO ₄ HP		
	Received Intact	Yes	No	Thermometer ID													NaHSO ₄ NABIS		
	Cooler Custody Seals	Yes	No	N/A	Correction Factor												Na ₂ S ₂ O ₃ NaSO ₃		
	Sample Custody Seals	Yes	No	N/A	Temperature Reading												Zn Acetate+NaOH Zn		
	Total Containers				Corrected Temperature													NaOH+Ascorbic Acid SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
S-11 (1.5')		6/7/2022		X		G	1	X	X	X	X								
S-12 (0-1')		6/7/2022		X		G	1	X	X	X	X								
S-12 (1.5')		6/7/2022		X		G	1	X	X	X	X								
S-13 (0-1')		6/7/2022		X		G	1	X	X	X	X								
H-1 (0-0.5')		6/7/2022		X		G	1	X	X	X	X								
H-2 (0-0.5')		6/7/2022		X		G	1	X	X	X	X								
H-3 (0-0.5')		6/7/2022		X		G	1	X	X	X	X								
H-4 (0-0.5')		6/7/2022		X		G	1	X	X	X	X								
H-5 (0-0.5')		6/7/2022		X		G	1	X	X	X	X								
H-6 (0-0.5')		6/7/2022		X		G	1	X	X	X	X								

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/8/22 10:59		

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Project Manager	Conner Moehring	Bill to (if different)	
Company Name	Carmona Resources	Company Name	
Address	310 West Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

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

Work Order No: 156029

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Project Name		Scout State Com 605 Frac Spill		Turn Around			Pres. Code	ANALYSIS REQUEST										Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/8/22 10:59		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-15629-1

SDG Number: Eddy Co. NM

Login Number: 15629

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-16373-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Scout State Com 605 Frac Spill

For:

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

Attn: Conner Moehring

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

Authorized for release by:

7/11/2022 10:33:51 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Laboratory Job ID: 880-16373-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Job ID: 880-16373-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-16373-1**

Receipt

The samples were received on 6/28/2022 10:12 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 5.3°C

Receipt Exceptions

The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): T-13 (0-1) (880-16373-38), T-13 (2) (880-16373-39) and T-13 (3) (880-16373-40) Per client, add to job for TPH, BTEX, and Chloride

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28771 and analytical batch 880-29357 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-28612 and analytical batch 880-28599 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 880-28639 and analytical batch 880-28890 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (0-1)

Lab Sample ID: 880-16373-1

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		06/30/22 15:42	07/09/22 17:10	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		06/30/22 15:42	07/09/22 17:10	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		06/30/22 15:42	07/09/22 17:10	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		06/30/22 15:42	07/09/22 17:10	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		06/30/22 15:42	07/09/22 17:10	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		06/30/22 15:42	07/09/22 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/30/22 15:42	07/09/22 17:10	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/30/22 15:42	07/09/22 17:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 12:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 12:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	06/29/22 08:48	06/29/22 12:13	1
o-Terphenyl	81		70 - 130	06/29/22 08:48	06/29/22 12:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		25.0		mg/Kg			07/04/22 21:03	5

Client Sample ID: T-1 (2)

Lab Sample ID: 880-16373-2

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 17:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 17:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 17:31	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/30/22 15:42	07/09/22 17:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 17:31	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/30/22 15:42	07/09/22 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/30/22 15:42	07/09/22 17:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/30/22 15:42	07/09/22 17:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (2)

Lab Sample ID: 880-16373-2

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/29/22 08:48	06/29/22 13:18	1
o-Terphenyl	89		70 - 130				06/29/22 08:48	06/29/22 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.0		4.95		mg/Kg			07/04/22 21:12	1

Client Sample ID: T-1 (3)

Lab Sample ID: 880-16373-3

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/09/22 17:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/09/22 17:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/09/22 17:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/22 15:42	07/09/22 17:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/09/22 17:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/22 15:42	07/09/22 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/30/22 15:42	07/09/22 17:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/30/22 15:42	07/09/22 17:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 13:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (3)

Lab Sample ID: 880-16373-3

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				06/29/22 08:48	06/29/22 13:40	1
o-Terphenyl	82		70 - 130				06/29/22 08:48	06/29/22 13:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	611		4.99		mg/Kg			07/05/22 16:04	1

Client Sample ID: T-1 (4)

Lab Sample ID: 880-16373-4

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 18:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 18:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 18:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/22 15:42	07/09/22 18:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 18:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/22 15:42	07/09/22 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/30/22 15:42	07/09/22 18:12	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/30/22 15:42	07/09/22 18:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		06/29/22 08:48	06/29/22 14:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/29/22 08:48	06/29/22 14:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/29/22 08:48	06/29/22 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/29/22 08:48	06/29/22 14:02	1
o-Terphenyl	105		70 - 130				06/29/22 08:48	06/29/22 14:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	461		5.00		mg/Kg			07/05/22 16:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (0-1)

Lab Sample ID: 880-16373-5

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 18:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 18:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 18:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/30/22 15:42	07/09/22 18:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 18:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/30/22 15:42	07/09/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/30/22 15:42	07/09/22 18:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/30/22 15:42	07/09/22 18:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 14:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 14:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/29/22 08:48	06/29/22 14:24	1
o-Terphenyl	84		70 - 130	06/29/22 08:48	06/29/22 14:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.7		5.00		mg/Kg			07/04/22 22:16	1

Client Sample ID: T-2 (2)

Lab Sample ID: 880-16373-6

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 18:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 18:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/22 15:42	07/09/22 18:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 18:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/22 15:42	07/09/22 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/30/22 15:42	07/09/22 18:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/30/22 15:42	07/09/22 18:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (2)

Lab Sample ID: 880-16373-6

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 14:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 14:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				06/29/22 08:48	06/29/22 14:45	1
o-Terphenyl	85		70 - 130				06/29/22 08:48	06/29/22 14:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	523		4.96		mg/Kg			07/05/22 16:22	1

Client Sample ID: T-2 (3)

Lab Sample ID: 880-16373-7

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 19:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 19:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 19:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/30/22 15:42	07/09/22 19:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 19:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/30/22 15:42	07/09/22 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/30/22 15:42	07/09/22 19:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/30/22 15:42	07/09/22 19:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 15:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (3)

Lab Sample ID: 880-16373-7

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				06/29/22 08:48	06/29/22 15:07	1
o-Terphenyl	94		70 - 130				06/29/22 08:48	06/29/22 15:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	398		5.01		mg/Kg			07/05/22 16:31	1

Client Sample ID: T-3 (0-1)

Lab Sample ID: 880-16373-8

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/30/22 15:42	07/09/22 19:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/30/22 15:42	07/09/22 19:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		06/29/22 08:48	06/29/22 15:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 15:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/29/22 08:48	06/29/22 15:29	1
o-Terphenyl	83		70 - 130				06/29/22 08:48	06/29/22 15:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		4.97		mg/Kg			07/04/22 22:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-3 (2)

Lab Sample ID: 880-16373-9

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/30/22 15:42	07/09/22 19:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 19:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/30/22 15:42	07/09/22 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/30/22 15:42	07/09/22 19:54	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/30/22 15:42	07/09/22 19:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 15:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 15:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/29/22 08:48	06/29/22 15:50	1
o-Terphenyl	88		70 - 130	06/29/22 08:48	06/29/22 15:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	375		5.02		mg/Kg			07/05/22 16:41	1

Client Sample ID: T-3 (3)

Lab Sample ID: 880-16373-10

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 20:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 20:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 20:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/30/22 15:42	07/09/22 20:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 20:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/30/22 15:42	07/09/22 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/30/22 15:42	07/09/22 20:14	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/30/22 15:42	07/09/22 20:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-3 (3)

Lab Sample ID: 880-16373-10

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 16:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 16:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/29/22 08:48	06/29/22 16:12	1
o-Terphenyl	87		70 - 130				06/29/22 08:48	06/29/22 16:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	541		4.99		mg/Kg			07/05/22 16:50	1

Client Sample ID: T-4 (0-1)

Lab Sample ID: 880-16373-11

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/22 15:42	07/09/22 22:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/22 15:42	07/09/22 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/30/22 15:42	07/09/22 22:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/30/22 15:42	07/09/22 22:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 16:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 16:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (0-1)

Lab Sample ID: 880-16373-11

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				06/29/22 08:48	06/29/22 16:55	1
o-Terphenyl	84		70 - 130				06/29/22 08:48	06/29/22 16:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10100		101		mg/Kg			07/04/22 23:11	20

Client Sample ID: T-4 (2)

Lab Sample ID: 880-16373-12

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 22:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 22:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 22:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/30/22 15:42	07/09/22 22:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/09/22 22:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/30/22 15:42	07/09/22 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/30/22 15:42	07/09/22 22:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/30/22 15:42	07/09/22 22:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		06/29/22 08:48	06/29/22 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 17:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/29/22 08:48	06/29/22 17:16	1
o-Terphenyl	86		70 - 130				06/29/22 08:48	06/29/22 17:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.9		5.04		mg/Kg			07/04/22 13:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (3)

Lab Sample ID: 880-16373-13

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 22:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 22:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/30/22 15:42	07/09/22 22:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/30/22 15:42	07/09/22 22:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	06/29/22 08:48	06/29/22 17:38	1
o-Terphenyl	83		70 - 130	06/29/22 08:48	06/29/22 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.3		4.98		mg/Kg			07/04/22 13:46	1

Client Sample ID: T-5 (0-1)

Lab Sample ID: 880-16373-14

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 23:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 23:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 23:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/30/22 15:42	07/09/22 23:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:42	07/09/22 23:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/30/22 15:42	07/09/22 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/30/22 15:42	07/09/22 23:07	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/30/22 15:42	07/09/22 23:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-5 (0-1)

Lab Sample ID: 880-16373-14

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 18:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 18:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/29/22 08:48	06/29/22 18:00	1
o-Terphenyl	83		70 - 130				06/29/22 08:48	06/29/22 18:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.3		5.03		mg/Kg			07/04/22 13:54	1

Client Sample ID: T-5 (2)

Lab Sample ID: 880-16373-15

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 23:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 23:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 23:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/30/22 15:42	07/09/22 23:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 23:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/30/22 15:42	07/09/22 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/30/22 15:42	07/09/22 23:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/30/22 15:42	07/09/22 23:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 18:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 18:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-5 (2)

Lab Sample ID: 880-16373-15

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				06/29/22 08:48	06/29/22 18:22	1
o-Terphenyl	84		70 - 130				06/29/22 08:48	06/29/22 18:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.3		4.95		mg/Kg			07/04/22 14:02	1

Client Sample ID: T-5 (3)

Lab Sample ID: 880-16373-16

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 23:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 23:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 23:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/22 15:42	07/09/22 23:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:42	07/09/22 23:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/22 15:42	07/09/22 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/30/22 15:42	07/09/22 23:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/30/22 15:42	07/09/22 23:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 18:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 18:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/29/22 08:48	06/29/22 18:43	1
o-Terphenyl	84		70 - 130				06/29/22 08:48	06/29/22 18:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.6		5.05		mg/Kg			07/04/22 14:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (0-1)

Lab Sample ID: 880-16373-17

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/10/22 00:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/10/22 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	06/30/22 15:42	07/10/22 00:08	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/30/22 15:42	07/10/22 00:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/29/22 08:48	06/29/22 19:05	1
o-Terphenyl	85		70 - 130	06/29/22 08:48	06/29/22 19:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326		25.1		mg/Kg			07/04/22 14:33	5

Client Sample ID: T-6 (2)

Lab Sample ID: 880-16373-18

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/10/22 00:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/10/22 00:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/10/22 00:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/30/22 15:42	07/10/22 00:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:42	07/10/22 00:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/30/22 15:42	07/10/22 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/30/22 15:42	07/10/22 00:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/30/22 15:42	07/10/22 00:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (2)

Lab Sample ID: 880-16373-18

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/29/22 08:48	06/29/22 19:26	1
o-Terphenyl	88		70 - 130				06/29/22 08:48	06/29/22 19:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.7		4.99		mg/Kg			07/04/22 14:41	1

Client Sample ID: T-6 (3)

Lab Sample ID: 880-16373-19

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/22 15:42	07/10/22 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/10/22 00:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/22 15:42	07/10/22 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/30/22 15:42	07/10/22 00:49	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/30/22 15:42	07/10/22 00:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (3)

Lab Sample ID: 880-16373-19

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/29/22 08:48	06/29/22 19:48	1
o-Terphenyl	84		70 - 130				06/29/22 08:48	06/29/22 19:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		5.02		mg/Kg			07/04/22 14:49	1

Client Sample ID: T-7 (0-1)

Lab Sample ID: 880-16373-20

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/10/22 01:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/10/22 01:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/10/22 01:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/22 15:42	07/10/22 01:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:42	07/10/22 01:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/22 15:42	07/10/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/30/22 15:42	07/10/22 01:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/30/22 15:42	07/10/22 01:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/29/22 08:48	06/29/22 20:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 20:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:48	06/29/22 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				06/29/22 08:48	06/29/22 20:10	1
o-Terphenyl	85		70 - 130				06/29/22 08:48	06/29/22 20:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.3		4.96		mg/Kg			07/05/22 12:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (2)

Lab Sample ID: 880-16373-21

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/30/22 15:48	07/08/22 00:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/30/22 15:48	07/08/22 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	06/30/22 15:48	07/08/22 00:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/30/22 15:48	07/08/22 00:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 13:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 13:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/29/22 08:55	06/30/22 13:35	1
o-Terphenyl	107		70 - 130	06/29/22 08:55	06/30/22 13:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		24.9		mg/Kg			07/04/22 15:05	5

Client Sample ID: T-7 (3)

Lab Sample ID: 880-16373-22

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 00:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 00:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 00:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/30/22 15:48	07/08/22 00:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 00:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/30/22 15:48	07/08/22 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/30/22 15:48	07/08/22 00:58	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/30/22 15:48	07/08/22 00:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (3)

Lab Sample ID: 880-16373-22

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 14:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 14:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 14:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/29/22 08:55	06/30/22 14:40	1
o-Terphenyl	103		70 - 130				06/29/22 08:55	06/30/22 14:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		5.05		mg/Kg			07/05/22 12:12	1

Client Sample ID: T-8 (0-1)

Lab Sample ID: 880-16373-23

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 01:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 01:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 01:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/22 15:48	07/08/22 01:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 01:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/22 15:48	07/08/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/30/22 15:48	07/08/22 01:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/30/22 15:48	07/08/22 01:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 16:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 16:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-8 (0-1)

Lab Sample ID: 880-16373-23

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/29/22 08:55	06/30/22 16:06	1
o-Terphenyl	116		70 - 130				06/29/22 08:55	06/30/22 16:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		25.0		mg/Kg			07/04/22 15:36	5

Client Sample ID: T-8 (2)

Lab Sample ID: 880-16373-24

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/22 15:48	07/08/22 01:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/22 15:48	07/08/22 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				06/30/22 15:48	07/08/22 01:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/30/22 15:48	07/08/22 01:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/29/22 08:55	06/30/22 16:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/29/22 08:55	06/30/22 16:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/29/22 08:55	06/30/22 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/29/22 08:55	06/30/22 16:28	1
o-Terphenyl	102		70 - 130				06/29/22 08:55	06/30/22 16:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.1		5.04		mg/Kg			07/05/22 12:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-8 (3)

Lab Sample ID: 880-16373-25

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/22 15:48	07/08/22 01:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 01:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/22 15:48	07/08/22 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/30/22 15:48	07/08/22 01:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/30/22 15:48	07/08/22 01:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 16:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 16:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	06/29/22 08:55	06/30/22 16:49	1
o-Terphenyl	102		70 - 130	06/29/22 08:55	06/30/22 16:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.95		mg/Kg			07/04/22 16:08	1

Client Sample ID: T-9 (0-1)

Lab Sample ID: 880-16373-26

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 02:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 02:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 02:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/30/22 15:48	07/08/22 02:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 02:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/30/22 15:48	07/08/22 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/30/22 15:48	07/08/22 02:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/30/22 15:48	07/08/22 02:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-9 (0-1)

Lab Sample ID: 880-16373-26

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 17:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 17:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/29/22 08:55	06/30/22 17:11	1
o-Terphenyl	107		70 - 130				06/29/22 08:55	06/30/22 17:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9840		101		mg/Kg			07/04/22 16:15	20

Client Sample ID: T-9 (2)

Lab Sample ID: 880-16373-27

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 02:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 02:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 02:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/30/22 15:48	07/08/22 02:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 02:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/30/22 15:48	07/08/22 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/30/22 15:48	07/08/22 02:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/30/22 15:48	07/08/22 02:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 17:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 17:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-9 (2)

Lab Sample ID: 880-16373-27

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/29/22 08:55	06/30/22 17:32	1
o-Terphenyl	99		70 - 130				06/29/22 08:55	06/30/22 17:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		5.02		mg/Kg			07/04/22 16:23	1

Client Sample ID: T-9 (3)

Lab Sample ID: 880-16373-28

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 03:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 03:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 03:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/22 15:48	07/08/22 03:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 03:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/22 15:48	07/08/22 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/30/22 15:48	07/08/22 03:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/30/22 15:48	07/08/22 03:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 18:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 18:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/29/22 08:55	06/30/22 18:15	1
o-Terphenyl	100		70 - 130				06/29/22 08:55	06/30/22 18:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.01		mg/Kg			07/04/22 16:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-10 (0-1)

Lab Sample ID: 880-16373-29

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 03:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 03:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 03:21	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/30/22 15:48	07/08/22 03:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 03:21	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/30/22 15:48	07/08/22 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/30/22 15:48	07/08/22 03:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/30/22 15:48	07/08/22 03:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 18:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 18:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	06/29/22 08:55	06/30/22 18:37	1
o-Terphenyl	98		70 - 130	06/29/22 08:55	06/30/22 18:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3630		25.2		mg/Kg			07/04/22 16:39	5

Client Sample ID: T-10 (2)

Lab Sample ID: 880-16373-30

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 03:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 03:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 03:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 15:48	07/08/22 03:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 03:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:48	07/08/22 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/30/22 15:48	07/08/22 03:42	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/30/22 15:48	07/08/22 03:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-10 (2)

Lab Sample ID: 880-16373-30

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 18:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 18:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				06/29/22 08:55	06/30/22 18:59	1
o-Terphenyl	117		70 - 130				06/29/22 08:55	06/30/22 18:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.1		5.01		mg/Kg			07/05/22 12:44	1

Client Sample ID: T-10 (3)

Lab Sample ID: 880-16373-31

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 05:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 05:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 05:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/30/22 15:48	07/08/22 05:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 05:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/30/22 15:48	07/08/22 05:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/30/22 15:48	07/08/22 05:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/30/22 15:48	07/08/22 05:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 19:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 19:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-10 (3)

Lab Sample ID: 880-16373-31

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/29/22 08:55	06/30/22 19:20	1
o-Terphenyl	101		70 - 130				06/29/22 08:55	06/30/22 19:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1		4.98		mg/Kg			07/05/22 12:52	1

Client Sample ID: T-11 (0-1)

Lab Sample ID: 880-16373-32

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 05:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 05:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 05:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/22 15:48	07/08/22 05:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/22 15:48	07/08/22 05:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/22 15:48	07/08/22 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/30/22 15:48	07/08/22 05:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/30/22 15:48	07/08/22 05:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 19:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				06/29/22 08:55	06/30/22 19:41	1
o-Terphenyl	90		70 - 130				06/29/22 08:55	06/30/22 19:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600	F1	99.4		mg/Kg			07/05/22 00:25	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-11 (2)

Lab Sample ID: 880-16373-33

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 06:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 06:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 06:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/30/22 15:48	07/08/22 06:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 06:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/30/22 15:48	07/08/22 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	06/30/22 15:48	07/08/22 06:12	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/30/22 15:48	07/08/22 06:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/29/22 08:55	06/30/22 20:03	1
o-Terphenyl	106		70 - 130	06/29/22 08:55	06/30/22 20:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/05/22 13:45	1

Client Sample ID: T-11 (3)

Lab Sample ID: 880-16373-34

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 06:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 06:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 06:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/22 15:48	07/08/22 06:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 06:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/22 15:48	07/08/22 06:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/30/22 15:48	07/08/22 06:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/30/22 15:48	07/08/22 06:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-11 (3)

Lab Sample ID: 880-16373-34

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 20:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 20:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/29/22 08:55	06/30/22 20:24	1
o-Terphenyl	120		70 - 130				06/29/22 08:55	06/30/22 20:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	234		4.95		mg/Kg			07/05/22 13:55	1

Client Sample ID: T-12 (0-1)

Lab Sample ID: 880-16373-35

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 06:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 06:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 06:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/22 15:48	07/08/22 06:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/22 15:48	07/08/22 06:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/22 15:48	07/08/22 06:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/30/22 15:48	07/08/22 06:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/30/22 15:48	07/08/22 06:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1210		49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 20:46	1
Diesel Range Organics (Over C10-C28)	1210		49.9		mg/Kg		06/29/22 08:55	06/30/22 20:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-12 (0-1)

Lab Sample ID: 880-16373-35

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/29/22 08:55	06/30/22 20:46	1
o-Terphenyl	125		70 - 130				06/29/22 08:55	06/30/22 20:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		49.6		mg/Kg			07/05/22 01:11	10

Client Sample ID: T-12 (2)

Lab Sample ID: 880-16373-36

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 15:48	07/08/22 07:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:48	07/08/22 07:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				06/30/22 15:48	07/08/22 07:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/30/22 15:48	07/08/22 07:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 21:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 21:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				06/29/22 08:55	06/30/22 21:07	1
o-Terphenyl	121		70 - 130				06/29/22 08:55	06/30/22 21:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	294		5.00		mg/Kg			07/05/22 01:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-12 (3)

Lab Sample ID: 880-16373-37

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 07:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 07:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 07:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/30/22 15:48	07/08/22 07:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 15:48	07/08/22 07:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/30/22 15:48	07/08/22 07:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/30/22 15:48	07/08/22 07:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/30/22 15:48	07/08/22 07:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 21:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 21:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:55	06/30/22 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	06/29/22 08:55	06/30/22 21:29	1
o-Terphenyl	125		70 - 130	06/29/22 08:55	06/30/22 21:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	457		4.98		mg/Kg			07/05/22 01:48	1

Client Sample ID: T-13 (0-1)

Lab Sample ID: 880-16373-38

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/22 15:48	07/08/22 07:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 07:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/22 15:48	07/08/22 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/30/22 15:48	07/08/22 07:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/30/22 15:48	07/08/22 07:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-13 (0-1)

Lab Sample ID: 880-16373-38

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 11:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 11:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/01/22 08:22	07/02/22 11:40	1
o-Terphenyl	94		70 - 130				07/01/22 08:22	07/02/22 11:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		5.05		mg/Kg			07/05/22 01:57	1

Client Sample ID: T-13 (2)

Lab Sample ID: 880-16373-39

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 08:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 08:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 08:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/30/22 15:48	07/08/22 08:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 08:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/30/22 15:48	07/08/22 08:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/30/22 15:48	07/08/22 08:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/30/22 15:48	07/08/22 08:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 12:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 12:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-13 (2)

Lab Sample ID: 880-16373-39

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 12:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/01/22 08:22	07/02/22 12:45	1
o-Terphenyl	112		70 - 130				07/01/22 08:22	07/02/22 12:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.2		5.01		mg/Kg			07/05/22 02:06	1

Client Sample ID: T-13 (3)

Lab Sample ID: 880-16373-40

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 08:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 08:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 08:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/30/22 15:48	07/08/22 08:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/22 15:48	07/08/22 08:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/30/22 15:48	07/08/22 08:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/30/22 15:48	07/08/22 08:35	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/30/22 15:48	07/08/22 08:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/08/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/22 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 13:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 13:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/22 08:22	07/02/22 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/01/22 08:22	07/02/22 13:07	1
o-Terphenyl	109		70 - 130				07/01/22 08:22	07/02/22 13:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		4.99		mg/Kg			07/05/22 14:04	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-16373-1	T-1 (0-1)	113	97
880-16373-1 MS	T-1 (0-1)	113	97
880-16373-1 MSD	T-1 (0-1)	112	103
880-16373-2	T-1 (2)	113	103
880-16373-3	T-1 (3)	109	101
880-16373-4	T-1 (4)	115	103
880-16373-5	T-2 (0-1)	113	100
880-16373-6	T-2 (2)	106	100
880-16373-7	T-2 (3)	109	97
880-16373-8	T-3 (0-1)	111	103
880-16373-9	T-3 (2)	112	100
880-16373-10	T-3 (3)	109	101
880-16373-11	T-4 (0-1)	114	102
880-16373-12	T-4 (2)	111	99
880-16373-13	T-4 (3)	112	100
880-16373-14	T-5 (0-1)	109	99
880-16373-15	T-5 (2)	111	100
880-16373-16	T-5 (3)	116	96
880-16373-17	T-6 (0-1)	117	96
880-16373-18	T-6 (2)	113	94
880-16373-19	T-6 (3)	115	94
880-16373-20	T-7 (0-1)	116	96
880-16373-21	T-7 (2)	126	95
880-16373-21 MS	T-7 (2)	116	105
880-16373-21 MSD	T-7 (2)	115	101
880-16373-22	T-7 (3)	108	98
880-16373-23	T-8 (0-1)	114	102
880-16373-24	T-8 (2)	119	93
880-16373-25	T-8 (3)	121	97
880-16373-26	T-9 (0-1)	119	100
880-16373-27	T-9 (2)	117	102
880-16373-28	T-9 (3)	99	97
880-16373-29	T-10 (0-1)	118	100
880-16373-30	T-10 (2)	121	99
880-16373-31	T-10 (3)	114	99
880-16373-32	T-11 (0-1)	120	96
880-16373-33	T-11 (2)	125	97
880-16373-34	T-11 (3)	121	98
880-16373-35	T-12 (0-1)	117	102
880-16373-36	T-12 (2)	123	96
880-16373-37	T-12 (3)	112	92
880-16373-38	T-13 (0-1)	113	99
880-16373-39	T-13 (2)	116	96
880-16373-40	T-13 (3)	107	96
LCS 880-28771/1-A	Lab Control Sample	104	101
LCS 880-28772/1-A	Lab Control Sample	110	93
LCSD 880-28771/2-A	Lab Control Sample Dup	108	99
LCSD 880-28772/2-A	Lab Control Sample Dup	109	98
MB 880-28771/5-A	Method Blank	101	98

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Surrogate Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)				
MB 880-28772/5-A	Method Blank	103	97				
MB 880-29191/5-A	Method Blank	103	99				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
880-16373-1	T-1 (0-1)	81	81				
880-16373-1 MS	T-1 (0-1)	95	83				
880-16373-1 MSD	T-1 (0-1)	96	83				
880-16373-2	T-1 (2)	87	89				
880-16373-3	T-1 (3)	83	82				
880-16373-4	T-1 (4)	101	105				
880-16373-5	T-2 (0-1)	83	84				
880-16373-6	T-2 (2)	84	85				
880-16373-7	T-2 (3)	93	94				
880-16373-8	T-3 (0-1)	82	83				
880-16373-9	T-3 (2)	86	88				
880-16373-10	T-3 (3)	85	87				
880-16373-11	T-4 (0-1)	84	84				
880-16373-12	T-4 (2)	85	86				
880-16373-13	T-4 (3)	82	83				
880-16373-14	T-5 (0-1)	82	83				
880-16373-15	T-5 (2)	83	84				
880-16373-16	T-5 (3)	82	84				
880-16373-17	T-6 (0-1)	84	85				
880-16373-18	T-6 (2)	85	88				
880-16373-19	T-6 (3)	82	84				
880-16373-20	T-7 (0-1)	83	85				
880-16373-21	T-7 (2)	98	107				
880-16373-21 MS	T-7 (2)	100	96				
880-16373-21 MSD	T-7 (2)	99	99				
880-16373-22	T-7 (3)	101	103				
880-16373-23	T-8 (0-1)	109	116				
880-16373-24	T-8 (2)	94	102				
880-16373-25	T-8 (3)	92	102				
880-16373-26	T-9 (0-1)	100	107				
880-16373-27	T-9 (2)	92	99				
880-16373-28	T-9 (3)	91	100				
880-16373-29	T-10 (0-1)	92	98				
880-16373-30	T-10 (2)	112	117				
880-16373-31	T-10 (3)	94	101				
880-16373-32	T-11 (0-1)	83	90				
880-16373-33	T-11 (2)	95	106				
880-16373-34	T-11 (3)	109	120				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-16373-1

Project/Site: Scout State Com 605 Frac Spill

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-16373-35	T-12 (0-1)	115	125
880-16373-36	T-12 (2)	112	121
880-16373-37	T-12 (3)	113	125
880-16373-38	T-13 (0-1)	90	94
880-16373-38 MS	T-13 (0-1)	90	82
880-16373-38 MSD	T-13 (0-1)	90	87
880-16373-39	T-13 (2)	102	112
880-16373-40	T-13 (3)	99	109
LCS 880-28612/2-A	Lab Control Sample	82	79
LCS 880-28614/2-A	Lab Control Sample	79	75
LCS 880-28805/2-A	Lab Control Sample	103	96
LCSD 880-28612/3-A	Lab Control Sample Dup	99	95
LCSD 880-28614/3-A	Lab Control Sample Dup	82	83
LCSD 880-28805/3-A	Lab Control Sample Dup	107	105
MB 880-28612/1-A	Method Blank	101	105
MB 880-28614/1-A	Method Blank	111	125
MB 880-28805/1-A	Method Blank	114	114
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28771/5-A

Matrix: Solid

Analysis Batch: 29357

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:42	07/09/22 16:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:42	07/09/22 16:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/30/22 15:42	07/09/22 16:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/30/22 15:42	07/09/22 16:41	1

Lab Sample ID: LCS 880-28771/1-A

Matrix: Solid

Analysis Batch: 29357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1083		mg/Kg		108	70 - 130
Toluene	0.100	0.1070		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09270		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1886		mg/Kg		94	70 - 130
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130

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

Lab Sample ID: LCSD 880-28771/2-A

Matrix: Solid

Analysis Batch: 29357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1042		mg/Kg		104	70 - 130	4	35
Toluene	0.100	0.1091		mg/Kg		109	70 - 130	2	35
Ethylbenzene	0.100	0.09539		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1953		mg/Kg		98	70 - 130	3	35
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-16373-1 MS

Matrix: Solid

Analysis Batch: 29357

Client Sample ID: T-1 (0-1)

Prep Type: Total/NA

Prep Batch: 28771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.02364	F1	mg/Kg		24	70 - 130
Toluene	<0.00199	U F1	0.100	0.02481	F1	mg/Kg		25	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-16373-1 MS

Matrix: Solid

Analysis Batch: 29357

Client Sample ID: T-1 (0-1)

Prep Type: Total/NA

Prep Batch: 28771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.100	0.01956	F1	mg/Kg		20	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.04151	F1	mg/Kg		21	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.02732	F1	mg/Kg		27	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-16373-1 MSD

Matrix: Solid

Analysis Batch: 29357

Client Sample ID: T-1 (0-1)

Prep Type: Total/NA

Prep Batch: 28771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.03097	F1	mg/Kg		31	70 - 130	27	35
Toluene	<0.00199	U F1	0.101	0.02459	F1	mg/Kg		24	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.101	0.01908	F1	mg/Kg		19	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.04047	F1	mg/Kg		20	70 - 130	3	35
o-Xylene	<0.00199	U F1	0.101	0.02646	F1	mg/Kg		26	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-28772/5-A

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 15:48	07/08/22 00:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 15:48	07/08/22 00:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 15:48	07/08/22 00:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/30/22 15:48	07/08/22 00:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/30/22 15:48	07/08/22 00:09	1

Lab Sample ID: LCS 880-28772/1-A

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07473		mg/Kg		75	70 - 130
Toluene	0.100	0.08968		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.07718		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1590		mg/Kg		80	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-28772/1-A

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09202		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-28772/2-A

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28772

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07208		mg/Kg		72	70 - 130	4	35
Toluene	0.100	0.07921		mg/Kg		79	70 - 130	12	35
Ethylbenzene	0.100	0.07050		mg/Kg		71	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1451		mg/Kg		73	70 - 130	9	35
o-Xylene	0.100	0.08467		mg/Kg		85	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-16373-21 MS

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: T-7 (2)

Prep Type: Total/NA

Prep Batch: 28772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.09068		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.101	0.09385		mg/Kg		93	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.08231		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.202	0.1667		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.101	0.09501		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-16373-21 MSD

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: T-7 (2)

Prep Type: Total/NA

Prep Batch: 28772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08552		mg/Kg		85	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.09396		mg/Kg		94	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.08110		mg/Kg		81	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1665		mg/Kg		83	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09537		mg/Kg		95	70 - 130	0	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-16373-21 MSD

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: T-7 (2)

Prep Type: Total/NA

Prep Batch: 28772

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-29191/5-A

Matrix: Solid

Analysis Batch: 29173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29191

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1	
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/22 10:17	07/07/22 12:31	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:17	07/07/22 12:31	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 10:17	07/07/22 12:31	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		70 - 130				07/07/22 10:17	07/07/22 12:31	1	
1,4-Difluorobenzene (Surr)	99		70 - 130				07/07/22 10:17	07/07/22 12:31	1	

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

Lab Sample ID: MB 880-28612/1-A

Matrix: Solid

Analysis Batch: 28599

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28612

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 11:09	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 11:09	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:48	06/29/22 11:09	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130				06/29/22 08:48	06/29/22 11:09	1	
o-Terphenyl	105		70 - 130				06/29/22 08:48	06/29/22 11:09	1	

Lab Sample ID: LCS 880-28612/2-A

Matrix: Solid

Analysis Batch: 28599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28612

	Spike	LCS	LCS							
Analyte	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	645.6	*-	mg/Kg		65		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	741.6		mg/Kg		74		70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	82		70 - 130							
o-Terphenyl	79		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-28612/3-A

Matrix: Solid

Analysis Batch: 28599

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28612

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	781.3		mg/Kg		78	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	1000	887.1		mg/Kg		89	70 - 130	18	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-16373-1 MS

Matrix: Solid

Analysis Batch: 28599

Client Sample ID: T-1 (0-1)

Prep Type: Total/NA

Prep Batch: 28612

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	996	1056		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	950.0		mg/Kg		95	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: 880-16373-1 MSD

Matrix: Solid

Analysis Batch: 28599

Client Sample ID: T-1 (0-1)

Prep Type: Total/NA

Prep Batch: 28612

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	996	1066		mg/Kg		107	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	958.4		mg/Kg		96	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: MB 880-28614/1-A

Matrix: Solid

Analysis Batch: 28713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 12:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 12:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:55	06/30/22 12:30	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-28614/1-A

Matrix: Solid

Analysis Batch: 28713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28614

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	06/29/22 08:55	06/30/22 12:30	1
o-Terphenyl	125		70 - 130	06/29/22 08:55	06/30/22 12:30	1

Lab Sample ID: LCS 880-28614/2-A

Matrix: Solid

Analysis Batch: 28713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28614

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1015		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	766.3		mg/Kg		77	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	79		70 - 130			
o-Terphenyl	75		70 - 130			

Lab Sample ID: LCSD 880-28614/3-A

Matrix: Solid

Analysis Batch: 28713

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28614

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1192		mg/Kg		119	70 - 130	16	20	
Diesel Range Organics (Over C10-C28)			1000	896.8		mg/Kg		90	70 - 130	16	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	82		70 - 130			
o-Terphenyl	83		70 - 130			

Lab Sample ID: 880-16373-21 MS

Matrix: Solid

Analysis Batch: 28713

Client Sample ID: T-7 (2)

Prep Type: Total/NA

Prep Batch: 28614

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1186		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1095		mg/Kg		110	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	100		70 - 130			
o-Terphenyl	96		70 - 130			

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-16373-21 MSD

Matrix: Solid

Analysis Batch: 28713

Client Sample ID: T-7 (2)

Prep Type: Total/NA

Prep Batch: 28614

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1209		mg/Kg		121	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1121		mg/Kg		113	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: MB 880-28805/1-A

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 10:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 10:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 10:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/01/22 08:22	07/02/22 10:34	1
o-Terphenyl	114		70 - 130				07/01/22 08:22	07/02/22 10:34	1

Lab Sample ID: LCS 880-28805/2-A

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	852.2		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	968.8		mg/Kg		97	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	96		70 - 130						

Lab Sample ID: LCSD 880-28805/3-A

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28805

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	965.3		mg/Kg		97	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1036		mg/Kg		104	70 - 130	7	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-28805/3-A

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28805

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-16373-38 MS

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: T-13 (0-1)

Prep Type: Total/NA

Prep Batch: 28805

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	790.0		mg/Kg		79	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	996	708.5		mg/Kg		70	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	90		70 - 130							
o-Terphenyl	82		70 - 130							

Lab Sample ID: 880-16373-38 MSD

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: T-13 (0-1)

Prep Type: Total/NA

Prep Batch: 28805

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	808.4		mg/Kg		81	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	996	736.3		mg/Kg		72	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	90		70 - 130									
o-Terphenyl	87		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28560/1-A

Matrix: Solid

Analysis Batch: 28886

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			07/04/22 18:35	1	

Lab Sample ID: LCS 880-28560/2-A

Matrix: Solid

Analysis Batch: 28886

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	232.9		mg/Kg		93	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-28560/3-A

Matrix: Solid

Analysis Batch: 28886

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.5		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-16373-2 MS

Matrix: Solid

Analysis Batch: 28886

Client Sample ID: T-1 (2)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.0		248	302.0		mg/Kg		99	90 - 110		

Lab Sample ID: 880-16373-2 MSD

Matrix: Solid

Analysis Batch: 28886

Client Sample ID: T-1 (2)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.0		248	300.7		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-28561/1-A

Matrix: Solid

Analysis Batch: 28888

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/04/22 12:59	1

Lab Sample ID: LCS 880-28561/2-A

Matrix: Solid

Analysis Batch: 28888

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.3		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-28561/3-A

Matrix: Solid

Analysis Batch: 28888

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-16373-12 MS

Matrix: Solid

Analysis Batch: 28888

Client Sample ID: T-4 (2)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.9		252	278.1		mg/Kg		105	90 - 110		

Lab Sample ID: 880-16373-12 MSD

Matrix: Solid

Analysis Batch: 28888

Client Sample ID: T-4 (2)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.9		252	278.6		mg/Kg		105	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-16373-22 MS

Matrix: Solid

Analysis Batch: 28888

Client Sample ID: T-7 (3)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	228		253	492.8		mg/Kg		105	90 - 110

Lab Sample ID: 880-16373-22 MSD

Matrix: Solid

Analysis Batch: 28888

Client Sample ID: T-7 (3)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	228		253	493.1		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-28639/1-A

Matrix: Solid

Analysis Batch: 28890

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/04/22 23:58	1

Lab Sample ID: LCS 880-28639/2-A

Matrix: Solid

Analysis Batch: 28890

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.4		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-28639/3-A

Matrix: Solid

Analysis Batch: 28890

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	240.0		mg/Kg		96	90 - 110	2	20

Lab Sample ID: 880-16373-32 MS

Matrix: Solid

Analysis Batch: 28890

Client Sample ID: T-11 (0-1)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10600	F1	4970	17190	F1	mg/Kg		132	90 - 110

Lab Sample ID: 880-16373-32 MSD

Matrix: Solid

Analysis Batch: 28890

Client Sample ID: T-11 (0-1)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10600	F1	4970	17220	F1	mg/Kg		133	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 28771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Total/NA	Solid	5035	
880-16373-2	T-1 (2)	Total/NA	Solid	5035	
880-16373-3	T-1 (3)	Total/NA	Solid	5035	
880-16373-4	T-1 (4)	Total/NA	Solid	5035	
880-16373-5	T-2 (0-1)	Total/NA	Solid	5035	
880-16373-6	T-2 (2)	Total/NA	Solid	5035	
880-16373-7	T-2 (3)	Total/NA	Solid	5035	
880-16373-8	T-3 (0-1)	Total/NA	Solid	5035	
880-16373-9	T-3 (2)	Total/NA	Solid	5035	
880-16373-10	T-3 (3)	Total/NA	Solid	5035	
880-16373-11	T-4 (0-1)	Total/NA	Solid	5035	
880-16373-12	T-4 (2)	Total/NA	Solid	5035	
880-16373-13	T-4 (3)	Total/NA	Solid	5035	
880-16373-14	T-5 (0-1)	Total/NA	Solid	5035	
880-16373-15	T-5 (2)	Total/NA	Solid	5035	
880-16373-16	T-5 (3)	Total/NA	Solid	5035	
880-16373-17	T-6 (0-1)	Total/NA	Solid	5035	
880-16373-18	T-6 (2)	Total/NA	Solid	5035	
880-16373-19	T-6 (3)	Total/NA	Solid	5035	
880-16373-20	T-7 (0-1)	Total/NA	Solid	5035	
MB 880-28771/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28771/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28771/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16373-1 MS	T-1 (0-1)	Total/NA	Solid	5035	
880-16373-1 MSD	T-1 (0-1)	Total/NA	Solid	5035	

Prep Batch: 28772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-21	T-7 (2)	Total/NA	Solid	5035	
880-16373-22	T-7 (3)	Total/NA	Solid	5035	
880-16373-23	T-8 (0-1)	Total/NA	Solid	5035	
880-16373-24	T-8 (2)	Total/NA	Solid	5035	
880-16373-25	T-8 (3)	Total/NA	Solid	5035	
880-16373-26	T-9 (0-1)	Total/NA	Solid	5035	
880-16373-27	T-9 (2)	Total/NA	Solid	5035	
880-16373-28	T-9 (3)	Total/NA	Solid	5035	
880-16373-29	T-10 (0-1)	Total/NA	Solid	5035	
880-16373-30	T-10 (2)	Total/NA	Solid	5035	
880-16373-31	T-10 (3)	Total/NA	Solid	5035	
880-16373-32	T-11 (0-1)	Total/NA	Solid	5035	
880-16373-33	T-11 (2)	Total/NA	Solid	5035	
880-16373-34	T-11 (3)	Total/NA	Solid	5035	
880-16373-35	T-12 (0-1)	Total/NA	Solid	5035	
880-16373-36	T-12 (2)	Total/NA	Solid	5035	
880-16373-37	T-12 (3)	Total/NA	Solid	5035	
880-16373-38	T-13 (0-1)	Total/NA	Solid	5035	
880-16373-39	T-13 (2)	Total/NA	Solid	5035	
880-16373-40	T-13 (3)	Total/NA	Solid	5035	
MB 880-28772/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28772/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28772/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 28772 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-21 MS	T-7 (2)	Total/NA	Solid	5035	
880-16373-21 MSD	T-7 (2)	Total/NA	Solid	5035	

Analysis Batch: 29173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-21	T-7 (2)	Total/NA	Solid	8021B	28772
880-16373-22	T-7 (3)	Total/NA	Solid	8021B	28772
880-16373-23	T-8 (0-1)	Total/NA	Solid	8021B	28772
880-16373-24	T-8 (2)	Total/NA	Solid	8021B	28772
880-16373-25	T-8 (3)	Total/NA	Solid	8021B	28772
880-16373-26	T-9 (0-1)	Total/NA	Solid	8021B	28772
880-16373-27	T-9 (2)	Total/NA	Solid	8021B	28772
880-16373-28	T-9 (3)	Total/NA	Solid	8021B	28772
880-16373-29	T-10 (0-1)	Total/NA	Solid	8021B	28772
880-16373-30	T-10 (2)	Total/NA	Solid	8021B	28772
880-16373-31	T-10 (3)	Total/NA	Solid	8021B	28772
880-16373-32	T-11 (0-1)	Total/NA	Solid	8021B	28772
880-16373-33	T-11 (2)	Total/NA	Solid	8021B	28772
880-16373-34	T-11 (3)	Total/NA	Solid	8021B	28772
880-16373-35	T-12 (0-1)	Total/NA	Solid	8021B	28772
880-16373-36	T-12 (2)	Total/NA	Solid	8021B	28772
880-16373-37	T-12 (3)	Total/NA	Solid	8021B	28772
880-16373-38	T-13 (0-1)	Total/NA	Solid	8021B	28772
880-16373-39	T-13 (2)	Total/NA	Solid	8021B	28772
880-16373-40	T-13 (3)	Total/NA	Solid	8021B	28772
MB 880-28772/5-A	Method Blank	Total/NA	Solid	8021B	28772
MB 880-29191/5-A	Method Blank	Total/NA	Solid	8021B	29191
LCS 880-28772/1-A	Lab Control Sample	Total/NA	Solid	8021B	28772
LCSD 880-28772/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28772
880-16373-21 MS	T-7 (2)	Total/NA	Solid	8021B	28772
880-16373-21 MSD	T-7 (2)	Total/NA	Solid	8021B	28772

Prep Batch: 29191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-29191/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 29330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-2	T-1 (2)	Total/NA	Solid	Total BTEX	
880-16373-3	T-1 (3)	Total/NA	Solid	Total BTEX	
880-16373-4	T-1 (4)	Total/NA	Solid	Total BTEX	
880-16373-5	T-2 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-6	T-2 (2)	Total/NA	Solid	Total BTEX	
880-16373-7	T-2 (3)	Total/NA	Solid	Total BTEX	
880-16373-8	T-3 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-9	T-3 (2)	Total/NA	Solid	Total BTEX	
880-16373-10	T-3 (3)	Total/NA	Solid	Total BTEX	
880-16373-11	T-4 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-12	T-4 (2)	Total/NA	Solid	Total BTEX	
880-16373-13	T-4 (3)	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 29330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-14	T-5 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-15	T-5 (2)	Total/NA	Solid	Total BTEX	
880-16373-16	T-5 (3)	Total/NA	Solid	Total BTEX	
880-16373-17	T-6 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-18	T-6 (2)	Total/NA	Solid	Total BTEX	
880-16373-19	T-6 (3)	Total/NA	Solid	Total BTEX	
880-16373-20	T-7 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-21	T-7 (2)	Total/NA	Solid	Total BTEX	
880-16373-22	T-7 (3)	Total/NA	Solid	Total BTEX	
880-16373-23	T-8 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-24	T-8 (2)	Total/NA	Solid	Total BTEX	
880-16373-25	T-8 (3)	Total/NA	Solid	Total BTEX	
880-16373-26	T-9 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-27	T-9 (2)	Total/NA	Solid	Total BTEX	
880-16373-28	T-9 (3)	Total/NA	Solid	Total BTEX	
880-16373-29	T-10 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-30	T-10 (2)	Total/NA	Solid	Total BTEX	
880-16373-31	T-10 (3)	Total/NA	Solid	Total BTEX	
880-16373-32	T-11 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-33	T-11 (2)	Total/NA	Solid	Total BTEX	
880-16373-34	T-11 (3)	Total/NA	Solid	Total BTEX	
880-16373-35	T-12 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-36	T-12 (2)	Total/NA	Solid	Total BTEX	
880-16373-37	T-12 (3)	Total/NA	Solid	Total BTEX	
880-16373-38	T-13 (0-1)	Total/NA	Solid	Total BTEX	
880-16373-39	T-13 (2)	Total/NA	Solid	Total BTEX	
880-16373-40	T-13 (3)	Total/NA	Solid	Total BTEX	

Analysis Batch: 29357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Total/NA	Solid	8021B	28771
880-16373-2	T-1 (2)	Total/NA	Solid	8021B	28771
880-16373-3	T-1 (3)	Total/NA	Solid	8021B	28771
880-16373-4	T-1 (4)	Total/NA	Solid	8021B	28771
880-16373-5	T-2 (0-1)	Total/NA	Solid	8021B	28771
880-16373-6	T-2 (2)	Total/NA	Solid	8021B	28771
880-16373-7	T-2 (3)	Total/NA	Solid	8021B	28771
880-16373-8	T-3 (0-1)	Total/NA	Solid	8021B	28771
880-16373-9	T-3 (2)	Total/NA	Solid	8021B	28771
880-16373-10	T-3 (3)	Total/NA	Solid	8021B	28771
880-16373-11	T-4 (0-1)	Total/NA	Solid	8021B	28771
880-16373-12	T-4 (2)	Total/NA	Solid	8021B	28771
880-16373-13	T-4 (3)	Total/NA	Solid	8021B	28771
880-16373-14	T-5 (0-1)	Total/NA	Solid	8021B	28771
880-16373-15	T-5 (2)	Total/NA	Solid	8021B	28771
880-16373-16	T-5 (3)	Total/NA	Solid	8021B	28771
880-16373-17	T-6 (0-1)	Total/NA	Solid	8021B	28771
880-16373-18	T-6 (2)	Total/NA	Solid	8021B	28771
880-16373-19	T-6 (3)	Total/NA	Solid	8021B	28771
880-16373-20	T-7 (0-1)	Total/NA	Solid	8021B	28771
MB 880-28771/5-A	Method Blank	Total/NA	Solid	8021B	28771

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 29357 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-28771/1-A	Lab Control Sample	Total/NA	Solid	8021B	28771
LCSD 880-28771/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28771
880-16373-1 MS	T-1 (0-1)	Total/NA	Solid	8021B	28771
880-16373-1 MSD	T-1 (0-1)	Total/NA	Solid	8021B	28771

GC Semi VOA

Analysis Batch: 28599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Total/NA	Solid	8015B NM	28612
880-16373-2	T-1 (2)	Total/NA	Solid	8015B NM	28612
880-16373-3	T-1 (3)	Total/NA	Solid	8015B NM	28612
880-16373-4	T-1 (4)	Total/NA	Solid	8015B NM	28612
880-16373-5	T-2 (0-1)	Total/NA	Solid	8015B NM	28612
880-16373-6	T-2 (2)	Total/NA	Solid	8015B NM	28612
880-16373-7	T-2 (3)	Total/NA	Solid	8015B NM	28612
880-16373-8	T-3 (0-1)	Total/NA	Solid	8015B NM	28612
880-16373-9	T-3 (2)	Total/NA	Solid	8015B NM	28612
880-16373-10	T-3 (3)	Total/NA	Solid	8015B NM	28612
880-16373-11	T-4 (0-1)	Total/NA	Solid	8015B NM	28612
880-16373-12	T-4 (2)	Total/NA	Solid	8015B NM	28612
880-16373-13	T-4 (3)	Total/NA	Solid	8015B NM	28612
880-16373-14	T-5 (0-1)	Total/NA	Solid	8015B NM	28612
880-16373-15	T-5 (2)	Total/NA	Solid	8015B NM	28612
880-16373-16	T-5 (3)	Total/NA	Solid	8015B NM	28612
880-16373-17	T-6 (0-1)	Total/NA	Solid	8015B NM	28612
880-16373-18	T-6 (2)	Total/NA	Solid	8015B NM	28612
880-16373-19	T-6 (3)	Total/NA	Solid	8015B NM	28612
880-16373-20	T-7 (0-1)	Total/NA	Solid	8015B NM	28612
MB 880-28612/1-A	Method Blank	Total/NA	Solid	8015B NM	28612
LCS 880-28612/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28612
LCSD 880-28612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28612
880-16373-1 MS	T-1 (0-1)	Total/NA	Solid	8015B NM	28612
880-16373-1 MSD	T-1 (0-1)	Total/NA	Solid	8015B NM	28612

Prep Batch: 28612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-2	T-1 (2)	Total/NA	Solid	8015NM Prep	
880-16373-3	T-1 (3)	Total/NA	Solid	8015NM Prep	
880-16373-4	T-1 (4)	Total/NA	Solid	8015NM Prep	
880-16373-5	T-2 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-6	T-2 (2)	Total/NA	Solid	8015NM Prep	
880-16373-7	T-2 (3)	Total/NA	Solid	8015NM Prep	
880-16373-8	T-3 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-9	T-3 (2)	Total/NA	Solid	8015NM Prep	
880-16373-10	T-3 (3)	Total/NA	Solid	8015NM Prep	
880-16373-11	T-4 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-12	T-4 (2)	Total/NA	Solid	8015NM Prep	
880-16373-13	T-4 (3)	Total/NA	Solid	8015NM Prep	
880-16373-14	T-5 (0-1)	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 28612 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-15	T-5 (2)	Total/NA	Solid	8015NM Prep	
880-16373-16	T-5 (3)	Total/NA	Solid	8015NM Prep	
880-16373-17	T-6 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-18	T-6 (2)	Total/NA	Solid	8015NM Prep	
880-16373-19	T-6 (3)	Total/NA	Solid	8015NM Prep	
880-16373-20	T-7 (0-1)	Total/NA	Solid	8015NM Prep	
MB 880-28612/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28612/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16373-1 MS	T-1 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-1 MSD	T-1 (0-1)	Total/NA	Solid	8015NM Prep	

Prep Batch: 28614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-21	T-7 (2)	Total/NA	Solid	8015NM Prep	
880-16373-22	T-7 (3)	Total/NA	Solid	8015NM Prep	
880-16373-23	T-8 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-24	T-8 (2)	Total/NA	Solid	8015NM Prep	
880-16373-25	T-8 (3)	Total/NA	Solid	8015NM Prep	
880-16373-26	T-9 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-27	T-9 (2)	Total/NA	Solid	8015NM Prep	
880-16373-28	T-9 (3)	Total/NA	Solid	8015NM Prep	
880-16373-29	T-10 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-30	T-10 (2)	Total/NA	Solid	8015NM Prep	
880-16373-31	T-10 (3)	Total/NA	Solid	8015NM Prep	
880-16373-32	T-11 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-33	T-11 (2)	Total/NA	Solid	8015NM Prep	
880-16373-34	T-11 (3)	Total/NA	Solid	8015NM Prep	
880-16373-35	T-12 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-36	T-12 (2)	Total/NA	Solid	8015NM Prep	
880-16373-37	T-12 (3)	Total/NA	Solid	8015NM Prep	
MB 880-28614/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28614/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28614/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16373-21 MS	T-7 (2)	Total/NA	Solid	8015NM Prep	
880-16373-21 MSD	T-7 (2)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-21	T-7 (2)	Total/NA	Solid	8015B NM	28614
880-16373-22	T-7 (3)	Total/NA	Solid	8015B NM	28614
880-16373-23	T-8 (0-1)	Total/NA	Solid	8015B NM	28614
880-16373-24	T-8 (2)	Total/NA	Solid	8015B NM	28614
880-16373-25	T-8 (3)	Total/NA	Solid	8015B NM	28614
880-16373-26	T-9 (0-1)	Total/NA	Solid	8015B NM	28614
880-16373-27	T-9 (2)	Total/NA	Solid	8015B NM	28614
880-16373-28	T-9 (3)	Total/NA	Solid	8015B NM	28614
880-16373-29	T-10 (0-1)	Total/NA	Solid	8015B NM	28614
880-16373-30	T-10 (2)	Total/NA	Solid	8015B NM	28614
880-16373-31	T-10 (3)	Total/NA	Solid	8015B NM	28614
880-16373-32	T-11 (0-1)	Total/NA	Solid	8015B NM	28614

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 28713 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-33	T-11 (2)	Total/NA	Solid	8015B NM	28614
880-16373-34	T-11 (3)	Total/NA	Solid	8015B NM	28614
880-16373-35	T-12 (0-1)	Total/NA	Solid	8015B NM	28614
880-16373-36	T-12 (2)	Total/NA	Solid	8015B NM	28614
880-16373-37	T-12 (3)	Total/NA	Solid	8015B NM	28614
MB 880-28614/1-A	Method Blank	Total/NA	Solid	8015B NM	28614
LCS 880-28614/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28614
LCSD 880-28614/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28614
880-16373-21 MS	T-7 (2)	Total/NA	Solid	8015B NM	28614
880-16373-21 MSD	T-7 (2)	Total/NA	Solid	8015B NM	28614

Analysis Batch: 28721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Total/NA	Solid	8015 NM	
880-16373-2	T-1 (2)	Total/NA	Solid	8015 NM	
880-16373-3	T-1 (3)	Total/NA	Solid	8015 NM	
880-16373-4	T-1 (4)	Total/NA	Solid	8015 NM	
880-16373-5	T-2 (0-1)	Total/NA	Solid	8015 NM	
880-16373-6	T-2 (2)	Total/NA	Solid	8015 NM	
880-16373-7	T-2 (3)	Total/NA	Solid	8015 NM	
880-16373-8	T-3 (0-1)	Total/NA	Solid	8015 NM	
880-16373-9	T-3 (2)	Total/NA	Solid	8015 NM	
880-16373-10	T-3 (3)	Total/NA	Solid	8015 NM	
880-16373-11	T-4 (0-1)	Total/NA	Solid	8015 NM	
880-16373-12	T-4 (2)	Total/NA	Solid	8015 NM	
880-16373-13	T-4 (3)	Total/NA	Solid	8015 NM	
880-16373-14	T-5 (0-1)	Total/NA	Solid	8015 NM	
880-16373-15	T-5 (2)	Total/NA	Solid	8015 NM	
880-16373-16	T-5 (3)	Total/NA	Solid	8015 NM	
880-16373-17	T-6 (0-1)	Total/NA	Solid	8015 NM	
880-16373-18	T-6 (2)	Total/NA	Solid	8015 NM	
880-16373-19	T-6 (3)	Total/NA	Solid	8015 NM	
880-16373-20	T-7 (0-1)	Total/NA	Solid	8015 NM	
880-16373-21	T-7 (2)	Total/NA	Solid	8015 NM	
880-16373-22	T-7 (3)	Total/NA	Solid	8015 NM	
880-16373-23	T-8 (0-1)	Total/NA	Solid	8015 NM	
880-16373-24	T-8 (2)	Total/NA	Solid	8015 NM	
880-16373-25	T-8 (3)	Total/NA	Solid	8015 NM	
880-16373-26	T-9 (0-1)	Total/NA	Solid	8015 NM	
880-16373-27	T-9 (2)	Total/NA	Solid	8015 NM	
880-16373-28	T-9 (3)	Total/NA	Solid	8015 NM	
880-16373-29	T-10 (0-1)	Total/NA	Solid	8015 NM	
880-16373-30	T-10 (2)	Total/NA	Solid	8015 NM	
880-16373-31	T-10 (3)	Total/NA	Solid	8015 NM	
880-16373-32	T-11 (0-1)	Total/NA	Solid	8015 NM	
880-16373-33	T-11 (2)	Total/NA	Solid	8015 NM	
880-16373-34	T-11 (3)	Total/NA	Solid	8015 NM	
880-16373-35	T-12 (0-1)	Total/NA	Solid	8015 NM	
880-16373-36	T-12 (2)	Total/NA	Solid	8015 NM	
880-16373-37	T-12 (3)	Total/NA	Solid	8015 NM	
880-16373-38	T-13 (0-1)	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 28721 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-39	T-13 (2)	Total/NA	Solid	8015 NM	
880-16373-40	T-13 (3)	Total/NA	Solid	8015 NM	

Prep Batch: 28805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-38	T-13 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-39	T-13 (2)	Total/NA	Solid	8015NM Prep	
880-16373-40	T-13 (3)	Total/NA	Solid	8015NM Prep	
MB 880-28805/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28805/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16373-38 MS	T-13 (0-1)	Total/NA	Solid	8015NM Prep	
880-16373-38 MSD	T-13 (0-1)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-38	T-13 (0-1)	Total/NA	Solid	8015B NM	28805
880-16373-39	T-13 (2)	Total/NA	Solid	8015B NM	28805
880-16373-40	T-13 (3)	Total/NA	Solid	8015B NM	28805
MB 880-28805/1-A	Method Blank	Total/NA	Solid	8015B NM	28805
LCS 880-28805/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28805
LCSD 880-28805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28805
880-16373-38 MS	T-13 (0-1)	Total/NA	Solid	8015B NM	28805
880-16373-38 MSD	T-13 (0-1)	Total/NA	Solid	8015B NM	28805

HPLC/IC

Leach Batch: 28560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Soluble	Solid	DI Leach	
880-16373-2	T-1 (2)	Soluble	Solid	DI Leach	
880-16373-3	T-1 (3)	Soluble	Solid	DI Leach	
880-16373-4	T-1 (4)	Soluble	Solid	DI Leach	
880-16373-5	T-2 (0-1)	Soluble	Solid	DI Leach	
880-16373-6	T-2 (2)	Soluble	Solid	DI Leach	
880-16373-7	T-2 (3)	Soluble	Solid	DI Leach	
880-16373-8	T-3 (0-1)	Soluble	Solid	DI Leach	
880-16373-9	T-3 (2)	Soluble	Solid	DI Leach	
880-16373-10	T-3 (3)	Soluble	Solid	DI Leach	
880-16373-11	T-4 (0-1)	Soluble	Solid	DI Leach	
MB 880-28560/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28560/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28560/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16373-2 MS	T-1 (2)	Soluble	Solid	DI Leach	
880-16373-2 MSD	T-1 (2)	Soluble	Solid	DI Leach	

Leach Batch: 28561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-12	T-4 (2)	Soluble	Solid	DI Leach	
880-16373-13	T-4 (3)	Soluble	Solid	DI Leach	
880-16373-14	T-5 (0-1)	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 28561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-15	T-5 (2)	Soluble	Solid	DI Leach	
880-16373-16	T-5 (3)	Soluble	Solid	DI Leach	
880-16373-17	T-6 (0-1)	Soluble	Solid	DI Leach	
880-16373-18	T-6 (2)	Soluble	Solid	DI Leach	
880-16373-19	T-6 (3)	Soluble	Solid	DI Leach	
880-16373-20	T-7 (0-1)	Soluble	Solid	DI Leach	
880-16373-21	T-7 (2)	Soluble	Solid	DI Leach	
880-16373-22	T-7 (3)	Soluble	Solid	DI Leach	
880-16373-23	T-8 (0-1)	Soluble	Solid	DI Leach	
880-16373-24	T-8 (2)	Soluble	Solid	DI Leach	
880-16373-25	T-8 (3)	Soluble	Solid	DI Leach	
880-16373-26	T-9 (0-1)	Soluble	Solid	DI Leach	
880-16373-27	T-9 (2)	Soluble	Solid	DI Leach	
880-16373-28	T-9 (3)	Soluble	Solid	DI Leach	
880-16373-29	T-10 (0-1)	Soluble	Solid	DI Leach	
880-16373-30	T-10 (2)	Soluble	Solid	DI Leach	
880-16373-31	T-10 (3)	Soluble	Solid	DI Leach	
MB 880-28561/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28561/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28561/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16373-12 MS	T-4 (2)	Soluble	Solid	DI Leach	
880-16373-12 MSD	T-4 (2)	Soluble	Solid	DI Leach	
880-16373-22 MS	T-7 (3)	Soluble	Solid	DI Leach	
880-16373-22 MSD	T-7 (3)	Soluble	Solid	DI Leach	

Leach Batch: 28639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-32	T-11 (0-1)	Soluble	Solid	DI Leach	
880-16373-33	T-11 (2)	Soluble	Solid	DI Leach	
880-16373-34	T-11 (3)	Soluble	Solid	DI Leach	
880-16373-35	T-12 (0-1)	Soluble	Solid	DI Leach	
880-16373-36	T-12 (2)	Soluble	Solid	DI Leach	
880-16373-37	T-12 (3)	Soluble	Solid	DI Leach	
880-16373-38	T-13 (0-1)	Soluble	Solid	DI Leach	
880-16373-39	T-13 (2)	Soluble	Solid	DI Leach	
880-16373-40	T-13 (3)	Soluble	Solid	DI Leach	
MB 880-28639/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28639/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28639/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16373-32 MS	T-11 (0-1)	Soluble	Solid	DI Leach	
880-16373-32 MSD	T-11 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 28886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-1	T-1 (0-1)	Soluble	Solid	300.0	28560
880-16373-2	T-1 (2)	Soluble	Solid	300.0	28560
880-16373-3	T-1 (3)	Soluble	Solid	300.0	28560
880-16373-4	T-1 (4)	Soluble	Solid	300.0	28560
880-16373-5	T-2 (0-1)	Soluble	Solid	300.0	28560
880-16373-6	T-2 (2)	Soluble	Solid	300.0	28560
880-16373-7	T-2 (3)	Soluble	Solid	300.0	28560

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 28886 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-8	T-3 (0-1)	Soluble	Solid	300.0	28560
880-16373-9	T-3 (2)	Soluble	Solid	300.0	28560
880-16373-10	T-3 (3)	Soluble	Solid	300.0	28560
880-16373-11	T-4 (0-1)	Soluble	Solid	300.0	28560
MB 880-28560/1-A	Method Blank	Soluble	Solid	300.0	28560
LCS 880-28560/2-A	Lab Control Sample	Soluble	Solid	300.0	28560
LCSD 880-28560/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28560
880-16373-2 MS	T-1 (2)	Soluble	Solid	300.0	28560
880-16373-2 MSD	T-1 (2)	Soluble	Solid	300.0	28560

Analysis Batch: 28888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-12	T-4 (2)	Soluble	Solid	300.0	28561
880-16373-13	T-4 (3)	Soluble	Solid	300.0	28561
880-16373-14	T-5 (0-1)	Soluble	Solid	300.0	28561
880-16373-15	T-5 (2)	Soluble	Solid	300.0	28561
880-16373-16	T-5 (3)	Soluble	Solid	300.0	28561
880-16373-17	T-6 (0-1)	Soluble	Solid	300.0	28561
880-16373-18	T-6 (2)	Soluble	Solid	300.0	28561
880-16373-19	T-6 (3)	Soluble	Solid	300.0	28561
880-16373-20	T-7 (0-1)	Soluble	Solid	300.0	28561
880-16373-21	T-7 (2)	Soluble	Solid	300.0	28561
880-16373-22	T-7 (3)	Soluble	Solid	300.0	28561
880-16373-23	T-8 (0-1)	Soluble	Solid	300.0	28561
880-16373-24	T-8 (2)	Soluble	Solid	300.0	28561
880-16373-25	T-8 (3)	Soluble	Solid	300.0	28561
880-16373-26	T-9 (0-1)	Soluble	Solid	300.0	28561
880-16373-27	T-9 (2)	Soluble	Solid	300.0	28561
880-16373-28	T-9 (3)	Soluble	Solid	300.0	28561
880-16373-29	T-10 (0-1)	Soluble	Solid	300.0	28561
880-16373-30	T-10 (2)	Soluble	Solid	300.0	28561
880-16373-31	T-10 (3)	Soluble	Solid	300.0	28561
MB 880-28561/1-A	Method Blank	Soluble	Solid	300.0	28561
LCS 880-28561/2-A	Lab Control Sample	Soluble	Solid	300.0	28561
LCSD 880-28561/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28561
880-16373-12 MS	T-4 (2)	Soluble	Solid	300.0	28561
880-16373-12 MSD	T-4 (2)	Soluble	Solid	300.0	28561
880-16373-22 MS	T-7 (3)	Soluble	Solid	300.0	28561
880-16373-22 MSD	T-7 (3)	Soluble	Solid	300.0	28561

Analysis Batch: 28890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16373-32	T-11 (0-1)	Soluble	Solid	300.0	28639
880-16373-33	T-11 (2)	Soluble	Solid	300.0	28639
880-16373-34	T-11 (3)	Soluble	Solid	300.0	28639
880-16373-35	T-12 (0-1)	Soluble	Solid	300.0	28639
880-16373-36	T-12 (2)	Soluble	Solid	300.0	28639
880-16373-37	T-12 (3)	Soluble	Solid	300.0	28639
880-16373-38	T-13 (0-1)	Soluble	Solid	300.0	28639
880-16373-39	T-13 (2)	Soluble	Solid	300.0	28639
880-16373-40	T-13 (3)	Soluble	Solid	300.0	28639

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QC Association Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 28890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28639/1-A	Method Blank	Soluble	Solid	300.0	28639
LCS 880-28639/2-A	Lab Control Sample	Soluble	Solid	300.0	28639
LCSD 880-28639/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28639
880-16373-32 MS	T-11 (0-1)	Soluble	Solid	300.0	28639
880-16373-32 MSD	T-11 (0-1)	Soluble	Solid	300.0	28639

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (0-1)

Lab Sample ID: 880-16373-1

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 17:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 12:13	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		5			28886	07/04/22 21:03	CH	XEN MID

Client Sample ID: T-1 (2)

Lab Sample ID: 880-16373-2

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 17:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/04/22 21:12	CH	XEN MID

Client Sample ID: T-1 (3)

Lab Sample ID: 880-16373-3

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 17:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 13:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/05/22 16:04	CH	XEN MID

Client Sample ID: T-1 (4)

Lab Sample ID: 880-16373-4

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 18:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (4)

Lab Sample ID: 880-16373-4

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 14:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/05/22 16:13	CH	XEN MID

Client Sample ID: T-2 (0-1)

Lab Sample ID: 880-16373-5

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 18:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 14:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/04/22 22:16	CH	XEN MID

Client Sample ID: T-2 (2)

Lab Sample ID: 880-16373-6

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 18:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 14:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/05/22 16:22	CH	XEN MID

Client Sample ID: T-2 (3)

Lab Sample ID: 880-16373-7

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 19:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 15:07	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/05/22 16:31	CH	XEN MID

Client Sample ID: T-3 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 19:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 15:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/04/22 22:44	CH	XEN MID

Client Sample ID: T-3 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 19:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 15:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/05/22 16:41	CH	XEN MID

Client Sample ID: T-3 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 20:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 16:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		1			28886	07/05/22 16:50	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-4 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 22:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 16:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28560	06/28/22 15:09	SMC	XEN MID
Soluble	Analysis	300.0		20			28886	07/04/22 23:11	CH	XEN MID

Client Sample ID: T-4 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 22:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 17:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 13:23	CH	XEN MID

Client Sample ID: T-4 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 22:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 13:46	CH	XEN MID

Client Sample ID: T-5 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 23:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-5 (0-1)

Lab Sample ID: 880-16373-14

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 18:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 13:54	CH	XEN MID

Client Sample ID: T-5 (2)

Lab Sample ID: 880-16373-15

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 23:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 18:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 14:02	CH	XEN MID

Client Sample ID: T-5 (3)

Lab Sample ID: 880-16373-16

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/09/22 23:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 18:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 14:10	CH	XEN MID

Client Sample ID: T-6 (0-1)

Lab Sample ID: 880-16373-17

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 00:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 19:05	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-6 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		5			28888	07/04/22 14:33	CH	XEN MID

Client Sample ID: T-6 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 00:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 19:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 14:41	CH	XEN MID

Client Sample ID: T-6 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 00:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 19:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 14:49	CH	XEN MID

Client Sample ID: T-7 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	28771	06/30/22 15:42	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29357	07/10/22 01:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28612	06/29/22 08:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28599	06/29/22 20:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/05/22 12:04	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-7 (2)

Lab Sample ID: 880-16373-21

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 00:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 13:35	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		5			28888	07/04/22 15:05	CH	XEN MID

Client Sample ID: T-7 (3)

Lab Sample ID: 880-16373-22

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 00:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 14:40	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/05/22 12:12	CH	XEN MID

Client Sample ID: T-8 (0-1)

Lab Sample ID: 880-16373-23

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 01:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 16:06	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		5			28888	07/04/22 15:36	CH	XEN MID

Client Sample ID: T-8 (2)

Lab Sample ID: 880-16373-24

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 01:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-8 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 16:28	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/05/22 12:36	CH	XEN MID

Client Sample ID: T-8 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 01:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 16:49	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 16:08	CH	XEN MID

Client Sample ID: T-9 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 02:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 17:11	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		20			28888	07/04/22 16:15	CH	XEN MID

Client Sample ID: T-9 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 02:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 17:32	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-9 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 16:23	CH	XEN MID

Client Sample ID: T-9 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 03:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 18:15	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/04/22 16:31	CH	XEN MID

Client Sample ID: T-10 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 03:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 18:37	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		5			28888	07/04/22 16:39	CH	XEN MID

Client Sample ID: T-10 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 03:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 18:59	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/05/22 12:44	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-10 (3)

Lab Sample ID: 880-16373-31

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 05:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 19:20	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28561	06/28/22 15:11	SMC	XEN MID
Soluble	Analysis	300.0		1			28888	07/05/22 12:52	CH	XEN MID

Client Sample ID: T-11 (0-1)

Lab Sample ID: 880-16373-32

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 05:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 19:41	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		20			28890	07/05/22 00:25	CH	XEN MID

Client Sample ID: T-11 (2)

Lab Sample ID: 880-16373-33

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 06:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 20:03	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			28890	07/05/22 13:45	CH	XEN MID

Client Sample ID: T-11 (3)

Lab Sample ID: 880-16373-34

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 06:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-11 (3)

Lab Sample ID: 880-16373-34

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 20:24	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			28890	07/05/22 13:55	CH	XEN MID

Client Sample ID: T-12 (0-1)

Lab Sample ID: 880-16373-35

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 06:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 20:46	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		10			28890	07/05/22 01:11	CH	XEN MID

Client Sample ID: T-12 (2)

Lab Sample ID: 880-16373-36

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 07:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 21:07	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			28890	07/05/22 01:20	CH	XEN MID

Client Sample ID: T-12 (3)

Lab Sample ID: 880-16373-37

Date Collected: 06/27/22 00:00

Matrix: Solid

Date Received: 06/28/22 10:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 07:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28614	06/29/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 21:29	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Client Sample ID: T-12 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			28890	07/05/22 01:48	CH	XEN MID

Client Sample ID: T-13 (0-1)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 07:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 11:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			28890	07/05/22 01:57	CH	XEN MID

Client Sample ID: T-13 (2)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 08:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 12:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			28890	07/05/22 02:06	CH	XEN MID

Client Sample ID: T-13 (3)

Date Collected: 06/27/22 00:00

Date Received: 06/28/22 10:12

Lab Sample ID: 880-16373-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28772	06/30/22 15:48	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29173	07/08/22 08:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29330	07/08/22 15:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28721	06/30/22 08:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 13:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28639	06/29/22 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			28890	07/05/22 14:04	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Laboratory References:
XEN 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: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
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Method Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Scout State Com 605 Frac Spill

Job ID: 880-16373-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16373-1	T-1 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-2	T-1 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-3	T-1 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-4	T-1 (4)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-5	T-2 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-6	T-2 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-7	T-2 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-8	T-3 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-9	T-3 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-10	T-3 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-11	T-4 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-12	T-4 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-13	T-4 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-14	T-5 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-15	T-5 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-16	T-5 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-17	T-6 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-18	T-6 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-19	T-6 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-20	T-7 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-21	T-7 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-22	T-7 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-23	T-8 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-24	T-8 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-25	T-8 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-26	T-9 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-27	T-9 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-28	T-9 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-29	T-10 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-30	T-10 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-31	T-10 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-32	T-11 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-33	T-11 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-34	T-11 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-35	T-12 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-36	T-12 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-37	T-12 (3)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-38	T-13 (0-1)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-39	T-13 (2)	Solid	06/27/22 00:00	06/28/22 10:12
880-16373-40	T-13 (3)	Solid	06/27/22 00:00	06/28/22 10:12

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Work Order No: 16373

Page 1 of 4

Project Manager	Conner Moehring	Bill to (if different)	
Company Name	Carmona Resources	Company Name	
Address	310 West Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

Project Name		Scout State Com 605 Frac Spill	Turn Around	Pres. Code	ANALYSIS REQUEST												Work Order Comments			
Project Number	1071	☒ Routine	☐ Rush															Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Iperfund ☐		
Project Location	Eddy Co, NM	Due Date																State of Project:		
Sampler's Name	CRM																	Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐		
PO #																		Deliverables EDD ☐ ADaPT ☐ Other		

SAMPLE RECEIPT		Temp Blank	Yes () No ()	Yes () No ()	Yes () No ()	Yes () No ()	Parameters												Preservative Codes			
Received intact	Yes () No ()	Thermometer ID					BTEX 8021B												None NO	DI Water H ₂ O		
Cooler Custody Seals	Yes () No ()	Correction Factor					TPH 8015M (GRO + DRO + MRO)												Cool Cool	MeOH Me		
Sample Custody Seals	Yes () No ()	Temperature Reading					Chloride 300.0												HCL HC	HNO ₃ HN		
Total Containers	Yes () No ()	Corrected Temperature																	H ₂ SO ₄ H ₂	NaOH Na		

Sample Identification	Date	Time	Soil	Water	Grab/	# of	TPH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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880-16373 Chain of Custody

Comments: Email to Mike Carmona Mccarmona@carmonarresources.com and Conner Moehring Cmoehring@carmonarresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/28/22 10:02		

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Work Order No: 16813

Page 2 of 4

Project Manager	Conner Moehring	Bill to (if different)	
Company Name	Carmona Resources	Company Name	
Address	310 West Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

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

Project Name	Scout State Com 605 Frac Spill		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number	1071		☒ Routine	☐ Rush												None NO	DI Water H ₂ O		
Project Location	Eddy Co. NM		Due Date													Cool Cool	MeOH Me		
Sampler's Name	CRM															HCL HC	HNO ₃ HN		
PO #.																H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT	Temp Blank	Yes No	Wet Ice.	Yes No												H ₃ PO ₄ HP			
	Received Intact:	Yes No	Thermometer ID.													NaHSO ₄ NABIS			
	Cooler Custody Seals	Yes No N/A	Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃			
	Sample Custody Seals	Yes No N/A	Temperature Reading													Zn Acetate+NaOH Zn			
	Total Containers		Corrected Temperature														NaOH+Ascorbic Acid SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments	
T-4 (0-1)		6/27/2022		X		G	1	X	X	X									
T-4 (2)		6/27/2022		X		G	1	X	X	X									
T-4 (3)		6/27/2022		X		G	1	X	X	X									
T-5 (0-1)		6/27/2022		X		G	1	X	X	X									
T-5 (2)		6/27/2022		X		G	1	X	X	X									
T-5 (3)		6/27/2022		X		G	1	X	X	X									
T-6 (0-1)		6/27/2022		X		G	1	X	X	X									
T-6 (2)		6/27/2022		X		G	1	X	X	X									
T-6 (3)		6/27/2022		X		G	1	X	X	X									
T-7 (0-1)		6/27/2022		X		G	1	X	X	X									

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/28/22 1012		

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Work Order No: 16373

Page 1 of 4

Project Manager	Conner Moehring	Bill to (if different)	
Company Name	Carmona Resources	Company Name	
Address	310 West Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

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

Project Name	Scout State Com 605 Frac Spill	Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Comments: Email to Mike Carmona Mcarmona@carmonaresources.com and Conner Moehring Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/28/22 10:12		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-16373-1

SDG Number: Eddy Co, NM

Login Number: 16373

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Appendix D

Laboratory Analytical Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 15, 2022

JUSTIN NIXON

ARCADIS - MIDLAND

1004 N BIG SPRING ST., SUITE 300

MIDLAND, TX 79701

RE: SCOUT STATE COM 605

Enclosed are the results of analyses for samples received by the laboratory on 12/09/22 8:01.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/09/2022
 Reported: 12/15/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 88001572
 Project Location: EDDY COUNTY

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP 1 - 1 - 120622 (H225802-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/09/2022	ND	416	104	400	3.77	

Sample ID: TP 1 - 2 - 120622 (H225802-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/09/2022	ND	416	104	400	3.77	

Sample ID: TP 2 - 1 - 120622 (H225802-03)

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	12/09/2022	ND	416	104	400	3.77	

Sample ID: TP 2 - 2 - 120622 (H225802-04)

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	12/09/2022	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/09/2022
 Reported: 12/15/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 88001572
 Project Location: EDDY COUNTY

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP 3 - 1 - 120622 (H225802-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/09/2022	ND	416	104	400	3.77		

Sample ID: TP 3 - 2 - 120622 (H225802-06)

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	12/09/2022	ND	416	104	400	3.77	

Sample ID: TP 4 - 1 - 120622 (H225802-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/09/2022	ND	416	104	400	3.77		

Sample ID: TP 4 - 2 - 120622 (H225802-08)

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	12/09/2022	ND	416	104	400	3.77		

Sample ID: TP 5 - 1 - 120622 (H225802-09)

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	12/09/2022	ND	416	104	400	3.77		

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/09/2022
 Reported: 12/15/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 88001572
 Project Location: EDDY COUNTY

Sampling Date: 12/06/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP 5 - 2 - 120622 (H225802-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/09/2022	ND	416	104	400	3.77		

Sample ID: TP 6 - 1 - 120622 (H225802-11)

Chloride, SM4500Cl-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	12/09/2022	ND	416	104	400	3.77		

Sample ID: TP 6 - 2 - 120622 (H225802-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/09/2022	ND	416	104	400	3.77		

Sample ID: TP 7 - 1 - 120622 (H225802-13)

Chloride, SM4500Cl-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	12/09/2022	ND	416	104	400	3.77		

Sample ID: TP 7 - 2 - 120622 (H225802-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/09/2022	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/09/2022
 Reported: 12/15/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 88001572
 Project Location: EDDY COUNTY

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP 1 - 3 - 120722 (H225802-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 1 - 4 - 120722 (H225802-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 5 - 3 - 120722 (H225802-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 5 - 4 - 120722 (H225802-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 6 - 3 - 120722 (H225802-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/15/2022	ND	400	100	400	7.69		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/09/2022
 Reported: 12/15/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 88001572
 Project Location: EDDY COUNTY

Sampling Date: 12/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP 6 - 4 - 120722 (H225802-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 7 - 3 - 120722 (H225802-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 7 - 4 - 120722 (H225802-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 8 - 1 - 120722 (H225802-23)

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	12/12/2022	ND	400	100	400	7.69		

Sample ID: TP 8 - 2 - 120722 (H225802-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	12/12/2022	ND	400	100	400	7.69		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received:	12/09/2022	Sampling Date:	12/07/2022
Reported:	12/15/2022	Sampling Type:	Soil
Project Name:	SCOUT STATE COM 605	Sampling Condition:	Cool & Intact
Project Number:	88001572	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY COUNTY		

Sample ID: TP 8 - 3 - 120722 (H225802-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/15/2022	ND	400	100	400	7.69		

Sample ID: TP 8 - 4 - 120722 (H225802-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/15/2022	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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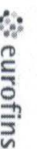
A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Eurofins Midland

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Heath Boyd</u>		Lab PM: <u>Builes, John</u>		Carrier Tracking No(s):		COC No: <u>880-4625-560.5</u>	
Client Contact: <u>Justin Nixon</u>		Phone: <u>575-390-4688</u>		E-Mail: <u>John.Builes@eurofins.com</u>		State of Origin: <u>NM</u>		Page: <u>Page 9 of 11</u>	
Company: <u>ARCADIS U.S., Inc.</u>		Due Date Requested:		Analysis Requested		Job #:		Preservation Codes:	
Address: <u>1004 North Big Spring Suite 300</u>		City: <u>Midland</u>		TAT Requested (days): <u>24 hr rush</u>		Compliance Project: ☐ Yes ☐ No		☐ A - HCL ☐ B - NaOH ☐ C - Zn Acetate ☐ D - Nitric Acid ☐ E - NaHSO4 ☐ F - MeOH ☐ G - Amchlor ☐ H - Ascorbic Acid ☐ I - Ice ☐ J - DI Water ☐ K - EDTA ☐ L - EDA ☐ M - Hexane ☐ N - None ☐ O - AsNaO2 ☐ P - Na2O4S ☐ Q - Na2SO3 ☐ R - Na2SO4 ☐ S - H2SO4 ☐ T - TSP Dodecylhydrate ☐ U - Acetone ☐ V - MC4A ☐ W - pH 4.5 ☐ Y - Tizma ☐ Z - other (specify)	
Email: <u>Justin.Nixon@arcadis.com</u>		Project Name: <u>Scout State com 605</u>		Project #: <u>88001572</u>		SSOW#:		Other:	
Site: <u>Eddy County</u>		Sample Identification		Sample Date		Sample Time		Sample Type (G=Comp, G=grab, G=Trasau, A=At)	
Matrix (Monomer, Solid, Over-sol, A=At)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		380_ORGEM_28D-0021B, MOISTURE_2540G, TX-1005		Total Number of containers	
Sample Type		Sample Time		Preservation Code		N		Special Instructions/Note: <u>Haas803</u>	
TP1-1-120622		12/6/22		1000		G		1	
TP1-2-120622				1005				2	
TP2-1-120622				1020				3	
TP2-2-120622				1025				4	
TP3-1-120622				1040				5	
TP3-2-120622				1045				6	
TP4-1-120622				1230				7	
TP4-2-120622				1235				8	
TP5-1-120622				1300				9	
TP5-2-120622				1305				10	
TP6-1-120622				1330				11	
Possible Hazard Identification		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Date: <u>12/9</u> Time: <u>0800</u>		Company: <u>ARCADIS</u>		Received by: <u>Radiquez</u>	
Relinquished by:		Date/Time:		Date/Time:		Company:		Date/Time:	
Relinquished by:		Date/Time:		Date/Time:		Company:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>-4.8; C-0.0; -10.4; #113</u>					

Eurofins Midland

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Heath Boyd</u>		Lab P/N: <u>Bulles, John</u>		Carrier Tracking No(s):		COC No: <u>880-4625-560.3</u>	
Client Contact: <u>Justin Nixon</u>		Phone: <u>575-390-4618</u>		E-Mail: <u>John.Bulles@et.eurofins.com</u>		State of Origin: <u>NM</u>		Page: <u>Page 2 of 3</u>	
Company: <u>ARCADIS U.S., Inc.</u>		Address: <u>1004 North Big Spring Suite 300</u>		Due Date Requested:		Analysis Requested		Job #:	
City: <u>Midland</u>		State: <u>TX</u>		TAT Requested (days): <u>24hr on 12/6 Hold 12/7</u>				Preservation Codes:	
Phone: <u>432-296-9547(Tel)</u>		Compliance Project: <u>Δ Yes Δ No</u>		PO #: <u>30157530</u>				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4.5 Y - Trizma Z - other (Specify)	
Email: <u>Justin.Nixon@arcadis.com, Scott.Ford@arcadis.com</u>		Project #: <u>88001572</u>		WO #: <u>30157530</u>					
Project Name: <u>Scout State com 605</u>		SSOW#: <u>Eddy County, NM</u>							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (Metals, Semisolid, Overstuffed, BT=Tissue, A=Air)	
TP6-2-120622		12/6/22		1335		G		Solid	
TP7-1-120622		X		1430		G		Solid	
TP7-2-120622		X		1435		G		Solid	
TP1-3-120722		12/7/22		1000		G		Solid	
TP1-4-120722		X		1005		G		Solid	
TP5-3-120722		X		1030		G		Solid	
TP5-4-120722		X		1035		G		Solid	
TP6-3-120722		X		1100		G		Solid	
TP6-4-120722		X		1105		G		Solid	
TP7-3-120722		X		1130		G		Solid	
TP7-4-120722		X		1135		G		Solid	
Possible Hazard Identification									
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological									
Deliverable Requested: I, II, III, IV, Other (Specify)									
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <u>SS</u>		12/19		0800		Company: <u>ARCADIS</u>		Received by: <u>Stadionery</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks: <u>-9.8°C-0.1°C -10.4°C #113</u>	

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-544

Chain of Custody Record



Environment Testin

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 13, 2022

JUSTIN NIXON

ARCADIS - MIDLAND

1004 N BIG SPRING ST., SUITE 300

MIDLAND, TX 79701

RE: SCOUT STATE COM 605

Enclosed are the results of analyses for samples received by the laboratory on 12/13/22 8:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/13/2022	Sampling Type:	Soil
Project Name:	SCOUT STATE COM 605	Sampling Condition:	Cool & Intact
Project Number:	88001572	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY COUNTY		

Sample ID: TP 9 - 2 - 121222 (H225856-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/13/2022	ND	416	104	400	0.00	

Sample ID: TP 10 - 2 - 121222 (H225856-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/13/2022	ND	416	104	400	0.00	

Sample ID: TP 11 - 2 - 121222 (H225856-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/13/2022	ND	416	104	400	0.00	

Sample ID: TP 12 - 2 - 121222 (H225856-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/13/2022	ND	416	104	400	0.00	

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Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/13/2022
 Reported: 12/13/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 88001572
 Project Location: EDDY COUNTY

Sampling Date: 12/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP 13 - 2 - 121222 (H225856-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/13/2022	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Eurofins Midland

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Heath Boyd</u>		Lab P/N: <u>Bulies, John</u>		Carrier Tracking No(s):		COC No: <u>880-4625-560.6</u>	
Client Contact: <u>Justin Nixon</u>		Phone: <u>575-390-4618</u>		E-Mail: <u>John.Bulies@et.eurofins.com</u>		State of Origin: <u>NM</u>		Page <u>48</u> of <u>9</u>	
Company: <u>ARCADIS U.S., Inc.</u>		PWSID: <u></u>		Analysis Requested		Job #:		1 of 1	
Address: <u>1004 North Big Spring Suite 300</u>		Due Date Requested:		TAT Requested (days): <u>24 hr Rush</u>		Compliance Project: ☐ Yes ☐ No		Preservation Codes:	
City: <u>Midland</u>		State Zip: <u>TX, 79701</u>		PO #: <u>3015/530</u>		MO #: <u>MO</u>		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecanhydrate U - Acetone V - MCAA W - pH 4.5 Y - Trizma Z - other (specify)	
Email: <u>Justin.Nixon@arcadis.com, Scott.Foord@arcadis.com</u>		Project Name: <u>Scout State com 605</u>		Project #: <u>880015172</u>		SSOW#: <u></u>		Other:	
Site: <u>Eddy County</u>		Sample Identification		Sample Date		Sample Time		Sample Type (G=grab, BTR=Batch, A=Lab)	
Matrix (S-solid, L-liquid, O-oil, G-grab, BTR=Batch, A=Lab)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		360_ORGEM-28D-8024B, MOISTURE-2640G, TX-1006		CI: 4500	
TP4-2-121222		12/12/22		1000		G		Solid	
TP10-2-121222				1100				Solid	
TP11-2-121222				1200				Solid	
TP12-2-121222				1345				Solid	
TP13-2-121222				1445				Solid	
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client ☐ Disposal By Lab ☐ Archive For <u>Months</u>		Special Instructions/Note: <u>HA25854</u>	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:		Relinquished by: <u>Heath Boyd</u>	
Relinquished by: <u>Heath Boyd</u>		Date/Time: <u>12/13/22 0800</u>		Company: <u>Arcadis</u>		Received by: <u>Spokane</u>		Date/Time: <u>12/13/22 0809</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>-5.5°C / 23.0°C - 4.1°C #1130</u>					



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 15, 2022

JUSTIN NIXON

ARCADIS - MIDLAND

1004 N BIG SPRING ST., SUITE 300

MIDLAND, TX 79701

RE: SCOUT STATE COM 605

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 7:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/15/2022
 Reported: 12/15/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 30157530
 Project Location: COP - EDDY COUNTY

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 11 - 3' - 121422 (H225913-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/15/2022	ND	400	100	400	7.69	

Sample ID: SW - 9 - 3' - S - 121422 (H225913-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/15/2022	ND	416	104	400	0.00		

Sample ID: SW - 10 - 3' - S - 121422 (H225913-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/15/2022	ND	416	104	400	0.00		

Sample ID: SW - 11 - 3' - S - 121422 (H225913-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/15/2022	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
 JUSTIN NIXON
 1004 N BIG SPRING ST., SUITE 300
 MIDLAND TX, 79701
 Fax To: NA

Received: 12/15/2022
 Reported: 12/15/2022
 Project Name: SCOUT STATE COM 605
 Project Number: 30157530
 Project Location: COP - EDDY COUNTY

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 - 3' - S - 121422 (H225913-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 21, 2022

JUSTIN NIXON

ARCADIS - MIDLAND

1004 N BIG SPRING ST., SUITE 300

MIDLAND, TX 79701

RE: SCOUT STATE COM 605

Enclosed are the results of analyses for samples received by the laboratory on 12/16/22 7:50.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP 9 - 1 - 121222	H225953-01	Soil	12-Dec-22 09:55	16-Dec-22 07:50
TP 9 - 3 - 121222	H225953-02	Soil	12-Dec-22 10:05	16-Dec-22 07:50
TP 9 - 4 - 121222	H225953-03	Soil	12-Dec-22 10:10	16-Dec-22 07:50
TP 10 - 1 - 121222	H225953-04	Soil	12-Dec-22 10:55	16-Dec-22 07:50
TP 10 - 3 - 121222	H225953-05	Soil	12-Dec-22 11:05	16-Dec-22 07:50
TP 10 - 4 - 121222	H225953-06	Soil	12-Dec-22 11:10	16-Dec-22 07:50
TP 11 - 1 - 121222	H225953-07	Soil	12-Dec-22 11:55	16-Dec-22 07:50
TP 11 - 3 - 121222	H225953-08	Soil	12-Dec-22 12:05	16-Dec-22 07:50
TP 11 - 4 - 121222	H225953-09	Soil	12-Dec-22 12:10	16-Dec-22 07:50
TP 12 - 1 - 121222	H225953-10	Soil	12-Dec-22 13:40	16-Dec-22 07:50
TP 12 - 3 - 121222	H225953-11	Soil	12-Dec-22 13:50	16-Dec-22 07:50
TP 13 - 1 - 121222	H225953-12	Soil	12-Dec-22 14:40	16-Dec-22 07:50
TP 12 - 4 - 121222	H225953-13	Soil	12-Dec-22 13:55	16-Dec-22 07:50
TP 13 - 3 - 121222	H225953-14	Soil	12-Dec-22 14:50	16-Dec-22 07:50
TP 13 - 4 - 121222	H225953-15	Soil	12-Dec-22 14:55	16-Dec-22 07:50
TP 14 - 1 - 131222	H225953-16	Soil	13-Dec-22 09:45	16-Dec-22 07:50
TP 14 - 3 - 131222	H225953-17	Soil	13-Dec-22 10:15	16-Dec-22 07:50
TP 14 - 4 - 121322	H225953-18	Soil	13-Dec-22 10:30	16-Dec-22 07:50
TP 15 - 1 - 121322	H225953-19	Soil	13-Dec-22 10:45	16-Dec-22 07:50
TP 15 - 3 - 121322	H225953-20	Soil	13-Dec-22 11:10	16-Dec-22 07:50
TP 15 - 4 - 121322	H225953-21	Soil	13-Dec-22 11:25	16-Dec-22 07:50
TP 16 - 1 - 121322	H225953-22	Soil	13-Dec-22 11:35	16-Dec-22 07:50
TP 16 - 3 - 121322	H225953-23	Soil	13-Dec-22 12:00	16-Dec-22 07:50
TP 16 - 4 - 121322	H225953-24	Soil	13-Dec-22 12:15	16-Dec-22 07:50
TP 17 - 1 - 121322	H225953-25	Soil	13-Dec-22 12:30	16-Dec-22 07:50
TP 17 - 3 - 121322	H225953-26	Soil	13-Dec-22 13:15	16-Dec-22 07:50
TP 17 - 4 - 121322	H225953-27	Soil	13-Dec-22 13:30	16-Dec-22 07:50

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 18 - 1 - 121322	H225953-28	Soil	13-Dec-22 13:45	16-Dec-22 07:50
TP 18 - 3 - 121322	H225953-29	Soil	13-Dec-22 14:15	16-Dec-22 07:50
TP 18 - 4 - 121322	H225953-30	Soil	13-Dec-22 14:30	16-Dec-22 07:50
TP 19 - 1 - 121322	H225953-31	Soil	13-Dec-22 14:45	16-Dec-22 07:50
TP 19 - 3 - 121322	H225953-32	Soil	13-Dec-22 15:15	16-Dec-22 07:50
TP 19 - 4 - 121322	H225953-33	Soil	13-Dec-22 15:30	16-Dec-22 07:50
TP 9 - 5 - 121522	H225953-34	Soil	15-Dec-22 13:00	16-Dec-22 07:50
TP 10 - 5 - 121522	H225953-35	Soil	15-Dec-22 13:05	16-Dec-22 07:50
TP 11 - 5 - 121522	H225953-36	Soil	15-Dec-22 13:10	16-Dec-22 07:50
TP 12 - 5 - 121522	H225953-37	Soil	15-Dec-22 13:15	16-Dec-22 07:50
TP 13 - 5 - 121522	H225953-38	Soil	15-Dec-22 13:20	16-Dec-22 07:50
TP 14 - 5 - 121522	H225953-39	Soil	15-Dec-22 13:25	16-Dec-22 07:50
TP 15 - 5 - 121522	H225953-40	Soil	15-Dec-22 13:30	16-Dec-22 07:50
TP 16 - 5 - 121522	H225953-41	Soil	15-Dec-22 13:35	16-Dec-22 07:50
TP 17 - 5 - 121522	H225953-42	Soil	15-Dec-22 13:40	16-Dec-22 07:50
TP 18 - 5 - 121522	H225953-43	Soil	15-Dec-22 13:45	16-Dec-22 07:50
TP 19 - 5 - 121522	H225953-44	Soil	15-Dec-22 13:50	16-Dec-22 07:50

12/21/22 - Client added TPH and BTEX for 1' samples as well as a re-extract chloride for sample -31. This is the revised report and will replace the chloride report sent on 12/19/22.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 9 - 1 - 121222**H225953-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121607	JH	16-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %		69.9-140	2121607	JH	16-Dec-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane			72.1 %		45.3-161	2121902	MS	19-Dec-22	8015B	
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Surrogate: 1-Chlorooctadecane			78.8 %		46.3-178	2121902	MS	19-Dec-22	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 9 - 3 - 121222**H225953-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 9 - 4 - 121222**H225953-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 10 - 1 - 121222**H225953-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121607	JH	16-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	69.9-140		2121607	JH	16-Dec-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane			76.4 %	45.3-161		2121902	MS	19-Dec-22	8015B	
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Surrogate: 1-Chlorooctadecane			83.5 %	46.3-178		2121902	MS	19-Dec-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 10 - 3 - 121222**H225953-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 10 - 4 - 121222**H225953-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 11 - 1 - 121222**H225953-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	592		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121607	JH	16-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140 2121607 JH 16-Dec-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane 75.4 % 45.3-161 2121902 MS 19-Dec-22 8015B

Surrogate: 1-Chlorooctadecane 81.8 % 46.3-178 2121902 MS 19-Dec-22 8015B

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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 11 - 3 - 121222**H225953-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	256		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	

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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 11 - 4 - 121222**H225953-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	128		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	

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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 12 - 1 - 121222**H225953-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121607	JH	16-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140 2121607 JH 16-Dec-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane 81.0 % 45.3-161 2121902 MS 19-Dec-22 8015B

Surrogate: 1-Chlorooctadecane 86.6 % 46.3-178 2121902 MS 19-Dec-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 12 - 3 - 121222**H225953-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 13 - 1 - 121222**H225953-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121607	JH	16-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140 2121607 JH 16-Dec-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane 68.7 % 45.3-161 2121902 MS 19-Dec-22 8015B

Surrogate: 1-Chlorooctadecane 73.1 % 46.3-178 2121902 MS 19-Dec-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 12 - 4 - 121222**H225953-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	2121636	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 13 - 3 - 121222**H225953-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NAReported:
21-Dec-22 13:59**TP 13 - 4 - 121222****H225953-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 14 - 1 - 131222**H225953-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121607	JH	16-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		105 %		69.9-140		2121607	JH	16-Dec-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane		82.7 %		45.3-161		2121902	MS	19-Dec-22	8015B	
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Surrogate: 1-Chlorooctadecane		89.2 %		46.3-178		2121902	MS	19-Dec-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 14 - 3 - 131222**H225953-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 14 - 4 - 121322**H225953-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 15 - 1 - 121322**H225953-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121607	JH	16-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121607	JH	16-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %		69.9-140	2121607	JH	16-Dec-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane			71.1 %		45.3-161	2121902	MS	19-Dec-22	8015B	
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Surrogate: 1-Chlorooctadecane			77.7 %		46.3-178	2121902	MS	19-Dec-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 15 - 3 - 121322**H225953-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 15 - 4 - 121322**H225953-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 16 - 1 - 121322**H225953-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121613	JH/	19-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		69.9-140	2121613	JH/	19-Dec-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane			71.6 %		45.3-161	2121902	MS	19-Dec-22	8015B	
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Surrogate: 1-Chlorooctadecane			76.4 %		46.3-178	2121902	MS	19-Dec-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 16 - 3 - 121322**H225953-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 16 - 4 - 121322**H225953-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 17 - 1 - 121322**H225953-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121613	JH/	19-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140 2121613 JH/ 19-Dec-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane 77.4 % 45.3-161 2121902 MS 19-Dec-22 8015B

Surrogate: 1-Chlorooctadecane 82.8 % 46.3-178 2121902 MS 19-Dec-22 8015B

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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 17 - 3 - 121322**H225953-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 17 - 4 - 121322**H225953-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 18 - 1 - 121322**H225953-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121613	JH/	19-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140 2121613 JH/ 19-Dec-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane 63.0 % 45.3-161 2121902 MS 19-Dec-22 8015B

Surrogate: 1-Chlorooctadecane 67.6 % 46.3-178 2121902 MS 19-Dec-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 18 - 3 - 121322**H225953-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 18 - 4 - 121322**H225953-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 19 - 1 - 121322**H225953-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	624		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2121613	JH/	19-Dec-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2121613	JH/	19-Dec-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		69.9-140	2121613	JH/	19-Dec-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121902	MS	19-Dec-22	8015B	

Surrogate: 1-Chlorooctane			69.1 %		45.3-161	2121902	MS	19-Dec-22	8015B	
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Surrogate: 1-Chlorooctadecane			76.1 %		46.3-178	2121902	MS	19-Dec-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 19 - 1 - 121322
H225953-31RE1 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	592		16.0	mg/kg	4	2121637	GM	21-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 19 - 3 - 121322**H225953-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 19 - 4 - 121322**H225953-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	2121637	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 9 - 5 - 121522**H225953-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 10 - 5 - 121522**H225953-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	336		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 11 - 5 - 121522**H225953-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 12 - 5 - 121522**H225953-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NAReported:
21-Dec-22 13:59**TP 13 - 5 - 121522****H225953-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 14 - 5 - 121522**H225953-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 15 - 5 - 121522**H225953-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	288		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	

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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 16 - 5 - 121522**H225953-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 17 - 5 - 121522**H225953-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 18 - 5 - 121522**H225953-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	
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Cardinal Laboratories

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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

TP 19 - 5 - 121522**H225953-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	48.0		16.0	mg/kg	4	2121638	GM	16-Dec-22	4500-Cl-B	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2121636 - 1:4 DI Water**Blank (2121636-BLK1)**

Prepared & Analyzed: 16-Dec-22

Chloride	ND	16.0	mg/kg
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LCS (2121636-BS1)

Prepared & Analyzed: 16-Dec-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2121636-BSD1)

Prepared & Analyzed: 16-Dec-22

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Batch 2121637 - 1:4 DI Water**Blank (2121637-BLK1)**

Prepared & Analyzed: 16-Dec-22

Chloride	ND	16.0	mg/kg
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LCS (2121637-BS1)

Prepared & Analyzed: 16-Dec-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2121637-BSD1)

Prepared & Analyzed: 16-Dec-22

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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Batch 2121638 - 1:4 DI Water**Blank (2121638-BLK1)**

Prepared & Analyzed: 16-Dec-22

Chloride	ND	16.0	mg/kg
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LCS (2121638-BS1)

Prepared & Analyzed: 16-Dec-22

Chloride	400	16.0	mg/kg	400	100	80-120
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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2121638 - 1:4 DI Water**LCS Dup (2121638-BSD1)**

Prepared & Analyzed: 16-Dec-22

Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2121607 - Volatiles**Blank (2121607-BLK1)**

Prepared & Analyzed: 16-Dec-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	69.9-140			

LCS (2121607-BS1)

Prepared & Analyzed: 16-Dec-22

Benzene	2.04	0.050	mg/kg	2.00		102	83.4-122			
Toluene	2.16	0.050	mg/kg	2.00		108	84.2-126			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	84.2-121			
m,p-Xylene	4.51	0.100	mg/kg	4.00		113	89.9-126			
o-Xylene	2.11	0.050	mg/kg	2.00		106	84.3-123			
Total Xylenes	6.62	0.150	mg/kg	6.00		110	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	69.9-140			

LCS Dup (2121607-BSD1)

Prepared & Analyzed: 16-Dec-22

Benzene	1.99	0.050	mg/kg	2.00		99.4	83.4-122	2.58	12.6	
Toluene	2.09	0.050	mg/kg	2.00		105	84.2-126	3.07	13.3	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	84.2-121	3.04	13.9	
m,p-Xylene	4.35	0.100	mg/kg	4.00		109	89.9-126	3.61	13.6	
o-Xylene	2.03	0.050	mg/kg	2.00		102	84.3-123	3.90	14.1	
Total Xylenes	6.38	0.150	mg/kg	6.00		106	89.1-124	3.70	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	69.9-140			

Batch 2121613 - Volatiles**Blank (2121613-BLK1)**

Prepared: 16-Dec-22 Analyzed: 19-Dec-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2121613 - Volatiles**Blank (2121613-BLK1)**

Prepared: 16-Dec-22 Analyzed: 19-Dec-22

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0558		mg/kg	0.0500		112	69.9-140			

LCS (2121613-BS1)

Prepared: 16-Dec-22 Analyzed: 19-Dec-22

Benzene	2.15	0.050	mg/kg	2.00		107	83.4-122			
Toluene	2.24	0.050	mg/kg	2.00		112	84.2-126			
Ethylbenzene	2.28	0.050	mg/kg	2.00		114	84.2-121			
m,p-Xylene	4.64	0.100	mg/kg	4.00		116	89.9-126			
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.3-123			
Total Xylenes	6.78	0.150	mg/kg	6.00		113	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	69.9-140			

LCS Dup (2121613-BS1)

Prepared: 16-Dec-22 Analyzed: 19-Dec-22

Benzene	2.10	0.050	mg/kg	2.00		105	83.4-122	2.13	12.6	
Toluene	2.19	0.050	mg/kg	2.00		109	84.2-126	2.45	13.3	
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	84.2-121	2.40	13.9	
m,p-Xylene	4.53	0.100	mg/kg	4.00		113	89.9-126	2.41	13.6	
o-Xylene	2.10	0.050	mg/kg	2.00		105	84.3-123	1.68	14.1	
Total Xylenes	6.63	0.150	mg/kg	6.00		111	89.1-124	2.18	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0529		mg/kg	0.0500		106	69.9-140			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARCADIS - MIDLAND
1004 N BIG SPRING ST., SUITE 300
MIDLAND TX, 79701

Project: SCOUT STATE COM 605
Project Number: 30157530
Project Manager: JUSTIN NIXON
Fax To: NA

Reported:
21-Dec-22 13:59

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2121902 - General Prep - Organics**Blank (2121902-BLK1)**

Prepared & Analyzed: 19-Dec-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.6		mg/kg	50.0		85.3	45.3-161			
Surrogate: 1-Chlorooctadecane	46.7		mg/kg	50.0		93.4	46.3-178			

LCS (2121902-BS1)

Prepared & Analyzed: 19-Dec-22

GRO C6-C10	205	10.0	mg/kg	200		103	76.8-124			
DRO >C10-C28	187	10.0	mg/kg	200		93.3	74.9-127			
Total TPH C6-C28	392	10.0	mg/kg	400		98.0	77.5-124			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	45.3-161			
Surrogate: 1-Chlorooctadecane	58.0		mg/kg	50.0		116	46.3-178			

LCS Dup (2121902-BS1)

Prepared & Analyzed: 19-Dec-22

GRO C6-C10	201	10.0	mg/kg	200		100	76.8-124	2.29	17.2	
DRO >C10-C28	186	10.0	mg/kg	200		93.2	74.9-127	0.112	18.6	
Total TPH C6-C28	387	10.0	mg/kg	400		96.8	77.5-124	1.25	17.6	
Surrogate: 1-Chlorooctane	48.9		mg/kg	50.0		97.8	45.3-161			
Surrogate: 1-Chlorooctadecane	56.3		mg/kg	50.0		113	46.3-178			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	80213	8015	CI' 45
14225953																	
1	TP9-1-121222	✓	1			✓				✓	✓	✓	12/12	955	✓	✓	✓
2	TP9-3-121222	✓	1			✓				✓	✓	✓		1005	✓	✓	✓
3	TP9-4-121222	✓	1			✓				✓	✓	✓		1010	✓	✓	✓
4	TP10-1-121222	✓	1			✓				✓	✓	✓		1055	✓	✓	✓
5	TP10-3-121222	✓	1			✓				✓	✓	✓		1105	✓	✓	✓
6	TP10-4-121222	✓	1			✓				✓	✓	✓		1110	✓	✓	✓
7	TP11-1-121222	✓	1			✓				✓	✓	✓		1155	✓	✓	✓
8	TP11-3-121222	✓	1			✓				✓	✓	✓		1205	✓	✓	✓
9	TP11-4-121222	✓	1			✓				✓	✓	✓		1210	✓	✓	✓
10	TP12-1-121222	✓	1			✓				✓	✓	✓		1340	✓	✓	✓

[illegible]

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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Arcadis		P.O. #:		ANALYSIS REQUEST	
Project Manager: Justin Nixon @ Arcadis.com		Company: COG			
Address: 1004 N. Big Spring Suite 300		Attn: Eke Tavaraz			
City: Midland		Address:			
Phone #: 432-296-9547		City:			
Fax #: 432-296-9547		State:			
Project #: 30157530		Zip:			
Project Name: Scout State 60M 605		Phone #:			
Project Location: Eddy County, NM		Fax #:			
Sampler Name: Heath Boyd @ Arcadis.com					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	8021B	8015 mod - NM	CI' 4500							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :												
H225953	TP12-3-121222	G	1										12/12	1350	X	X	X							
	TP13-1-121222		1											1440	X	X	X							
	TP12-4-121222		1											1355	X	X	X							
	TP13-3-121222		1											1450	X	X	X							
	TP13-4-121222		1											1455	X	X	X							
	TP14-1-121222		1											12/13	945	X	X	X						
	TP14-3-121222		1											1015	X	X	X							
	TP14-4-121222		1											1030	X	X	X							
	TP15-1-121222		1											1045	X	X	X							
	TP15-3-121222		1											1110	X	X	X							

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Relinquished By: Heath Boyd	Date: 12/12/22	Received By: Scott Tavaraz	Verbal Result: ☐ Yes ☒ No	Add'l Phone #:
Relinquished By: Heath Boyd	Date: 12/12/22	Received By: Scott Tavaraz	All Results are emailed. Please provide Email address: Justin, Heath, Scott, Ford @ Arcadis.com	
Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	0.0	-1.0	Cool Intact	SE
Turnaround Time:	Thermometer ID #113	Correction Factor -0.6°C	Standard ☐ Rush ☐	Bacteria (only) Sample Condition
Run remaining if CI' Clean & Standard				Cool Intact
				Observed Temp. °C
				Corrected Temp. °C

REMARKS: 24 hr CI' water too ppm

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Arccadi's</u>		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Justin Nixon @ Arccadi's.com</u>		P.O. #:			
Address: <u>1004 N. Big Spring Suite 300</u>		Company: <u>COG</u>			
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>		Attn: <u>Ike Tavaraz</u>			
Phone #: <u>432-296-9547</u> Fax #:		Address:			
Project #: <u>30157530</u> Project Owner: <u>COG</u>		City:			
Project Name: <u>Scout State Com 605</u>		State:			
Project Location: <u>Eddy County, NM</u>		Zip:			
Sampler Name: <u>Heath Boyd @ Arccadi's.com</u>		Phone #:			
FOR LAB USE ONLY		Fax #:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	80213	8015 Mod - NM	CI' 4500							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :												
<u>1425953</u>																								
<u>21</u>	TP15-4-121322	(G)	1												12/13	1125	X	X	X					
<u>22</u>	TP16-1-121322		1													1135	X	X	X					
<u>23</u>	TP16-3-121322		1													1200	X	X	X					
<u>24</u>	TP16-4-121322		1													1215	X	X	X					
<u>25</u>	TP17-1-121322		1													1230	X	X	X					
<u>26</u>	TP17-3-121322		1													1315	X	X	X					
<u>27</u>	TP17-4-121322		1													1330	X	X	X					
<u>28</u>	TP18-1-121322		1													1345	X	X	X					
<u>29</u>	TP18-3-121322		1													1415	X	X	X					
<u>30</u>	TP18-4-121322		1													1430	X	X	X					

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Relinquished By: <u>Heath Boyd</u>	Date: <u>12/14/22</u>	Received By: <u>Stedra Query</u>	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:
Relinquished By: <u>Heath Boyd</u>	Date: <u>0750</u>	Received By: <u>Stedra Query</u>	All Results are emailed. Please provide Email address: <u>Justin, Heath, Scott, Ford @ Arccadi's.com</u>
Delivered By: (Circle One)	Observed Temp. °C: <u>0.44</u>	Sample Condition: ☒ Intact ☐ Cool ☐ Yes ☐ No	CHECKED BY: (Initials) <u>SR</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: <u>-1.24</u>	☐ Yes ☐ No	REMARKS: <u>Run remaining if CI' clean @ Standard</u>
Turnaround Time:	Thermometer ID #13	Standard ☐ Rush ☐	Bacteria (only) Sample Condition: ☐ Cool ☐ Intact ☐ Yes ☐ No
Correction Factor -0.6°C			Observed Temp. °C: <u>0.44</u>
			Corrected Temp. °C: <u>-1.24</u>

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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Arcadis
Project Manager: Justin Nixon @ Arcadis.com

Address: 1004 N. Big Spring Suite 300

City: Midland State: TX Zip: 79701

Phone #: 432-296-9547 Fax #: Project Owner: COG

Project #: 30157530 Project Name: Scout State

Project Location: Eddy County, NM

Sample Name: Heath, Boyd @ Arcadis.com

FOR LAB USE ONLY

P.O. #: Company: COC

Attn: Ike Tavaraz

Address:

City:

State: Zip:

Phone #: Fax #:

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												
H225953	TP9-S-121522	5	1							12/15/22	1300	8021B	8015 MOD-NM	CI 4500							
34	TP10-S-121522		1								1305										
35	TP11-S-121522		1								1310										
36	TP12-S-121522		1								1315										
37	TP13-S-121522		1								1320										
38	TP14-S-121522		1								1325										
39	TP15-S-121522		1								1330										
40	TP16-S-121522		1								1335										
41	TP17-S-121522		1								1340										
42	TP18-S-121522		1								1345										

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 12/14/22 Received By: Date: 12/14/22

Heath Boyd JB Date: 0750 Received By: Scott Keene

Relinquished By: Date: Received By: Date:

Delivered By: (Circle One) Observed Temp. °C -0.0 Corrected Temp. °C -1.0

Sampler - UPS - Bus - Other: Sample Condition Cool Intact Yes No

Checked By: (Initials) Checked By: (Initials)

Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Arcadis

Project Manager: Justin Nixon @ Arcadis.com

Address: 1004 N. Big Spring Suite 300

City: Midland State: TX Zip: 79701

Phone #: 332-296-9547 Fax #:

Project #: 30157530 Project Owner: COG

Project Name: Scout State

Project Location: Eddy County, NM

Sampler Name: Heath Boyd @ Arcadis.com

FOR LAB USE ONLY

MATRIX

PRESERV.

SAMPLING

Lab I.D. Sample I.D.

1225953

44

TP19-S-121522

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

8021B

8015 MOD - NM

C1' 4500

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date:

Time:

Received By:

Verbal Result:

Yes No

Add'l Phone #:

All Results are emailed. Please provide Email address:

Heath Boyd

Date:

Time:

Received By:

Verbal Result:

Yes No

Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS: 24 hr CI. Run remaining if CI Clean @ Standard

Justin, Heath, Scott, Ford @ Arcadis.com

Under 600 ppm

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Thermometer ID #113

Correction Factor -0.5°C

Turnaround Time:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

FORM-008 R-3-3 07/10/22

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 12/23/2022 8:03:17 AM

JOB DESCRIPTION

Scout State com 605
SDG NUMBER Eddy County

JOB NUMBER

880-22580-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization



Generated
12/23/2022 8:03:17 AM

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Laboratory Job ID: 880-22580-1
SDG: Eddy County

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Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Job ID: 880-22580-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22580-1****Receipt**

The samples were received on 12/12/2022 8:42 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 5.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-1-1'-120822 (880-22580-1), B-2-1'-120822 (880-22580-2), B-3-1'-120822 (880-22580-3), B-4-1'-120822 (880-22580-4), B-5-1'-120822 (880-22580-5), SW-1-0.5'-120822 (880-22580-6), SW-2-0.5'-120822 (880-22580-7), SW-3-0.5'-120822 (880-22580-8), SW-4-0.5'-120822 (880-22580-9), B-6-2'-12080922 (880-22580-10), B-7-2'-12080922 (880-22580-11), B-8-2'-12080922 (880-22580-12), B-9-2'-12080922 (880-22580-13), B-10-2'-12080922 (880-22580-14), SW-5-1'-120922 (880-22580-15), SW-6-1'-120922 (880-22580-16), SW-7-1'-120922 (880-22580-17) and SW-8-1'-120922 (880-22580-18).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-42420 and analytical batch 880-42466 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method TX_1005: The method blank for preparation batch 880-41722 and analytical batch 880-42082 contained C6-C12 Range Hydrocarbons above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method TX_1005: The matrix spike (MS) recoveries for preparation batch 880-41722 and analytical batch 880-42082 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

General Chemistry

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

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-1-1'-120822

Lab Sample ID: 880-22580-1

Date Collected: 12/08/22 10:30

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000426	U	0.00221	0.000426	mg/Kg	✱	12/21/22 09:42	12/22/22 21:27	1
Toluene	0.000523	J	0.00221	0.000505	mg/Kg	✱	12/21/22 09:42	12/22/22 21:27	1
Ethylbenzene	<0.000626	U	0.00221	0.000626	mg/Kg	✱	12/21/22 09:42	12/22/22 21:27	1
m-Xylene & p-Xylene	<0.00112	U	0.00443	0.00112	mg/Kg	✱	12/21/22 09:42	12/22/22 21:27	1
o-Xylene	0.000441	J	0.00221	0.000381	mg/Kg	✱	12/21/22 09:42	12/22/22 21:27	1
Xylenes, Total	<0.00112	U	0.00443	0.00112	mg/Kg	✱	12/21/22 09:42	12/22/22 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	222	S1+	70 - 130	12/21/22 09:42	12/22/22 21:27	1
1,4-Difluorobenzene (Surr)	258	S1+	70 - 130	12/21/22 09:42	12/22/22 21:27	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	31.0	J B F1	55.1	16.5	mg/Kg	✱	12/13/22 10:20	12/17/22 12:00	1
>C12-C28 Range Hydrocarbons	37.8	J	55.1	16.5	mg/Kg	✱	12/13/22 10:20	12/17/22 12:00	1
>C28-C35 Range Hydrocarbons	<16.5	U	55.1	16.5	mg/Kg	✱	12/13/22 10:20	12/17/22 12:00	1
Total Petroleum Hydrocarbons (C6-C35)	68.8		55.1	16.5	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	12/13/22 10:20	12/17/22 12:00	1
o-Terphenyl (Surr)	94		70 - 130	12/13/22 10:20	12/17/22 12:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.7		5.54	0.437	mg/Kg	✱		12/13/22 23:37	1

Client Sample ID: B-2-1'-120822

Lab Sample ID: 880-22580-2

Date Collected: 12/08/22 10:35

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000428	U	0.00223	0.000428	mg/Kg	✱	12/21/22 12:40	12/22/22 23:13	1
Toluene	<0.000507	U	0.00223	0.000507	mg/Kg	✱	12/21/22 12:40	12/22/22 23:13	1
Ethylbenzene	<0.000629	U F1	0.00223	0.000629	mg/Kg	✱	12/21/22 12:40	12/22/22 23:13	1
m-Xylene & p-Xylene	<0.00112	U F1	0.00445	0.00112	mg/Kg	✱	12/21/22 12:40	12/22/22 23:13	1
o-Xylene	<0.000383	U	0.00223	0.000383	mg/Kg	✱	12/21/22 12:40	12/22/22 23:13	1
Xylenes, Total	<0.00112	U F1	0.00445	0.00112	mg/Kg	✱	12/21/22 12:40	12/22/22 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/21/22 12:40	12/22/22 23:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/21/22 12:40	12/22/22 23:13	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	28.0	J B	55.4	16.6	mg/Kg	✱	12/13/22 10:20	12/17/22 13:07	1
>C12-C28 Range Hydrocarbons	31.3	J	55.4	16.6	mg/Kg	✱	12/13/22 10:20	12/17/22 13:07	1
>C28-C35 Range Hydrocarbons	<16.6	U	55.4	16.6	mg/Kg	✱	12/13/22 10:20	12/17/22 13:07	1
Total Petroleum Hydrocarbons (C6-C35)	59.3		55.4	16.6	mg/Kg			12/19/22 11:54	1

Eurofins Midland

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-2-1'-120822

Lab Sample ID: 880-22580-2

Date Collected: 12/08/22 10:35

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	12/13/22 10:20	12/17/22 13:07	1
o-Terphenyl (Surr)	98		70 - 130	12/13/22 10:20	12/17/22 13:07	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.51	0.435	mg/Kg	☆		12/13/22 23:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: B-3-1'-120822

Lab Sample ID: 880-22580-3

Date Collected: 12/08/22 10:40

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000421	U	0.00219	0.000421	mg/Kg	☆	12/21/22 12:40	12/22/22 23:34	1
Toluene	<0.000498	U	0.00219	0.000498	mg/Kg	☆	12/21/22 12:40	12/22/22 23:34	1
Ethylbenzene	<0.000617	U	0.00219	0.000617	mg/Kg	☆	12/21/22 12:40	12/22/22 23:34	1
m-Xylene & p-Xylene	<0.00110	U	0.00437	0.00110	mg/Kg	☆	12/21/22 12:40	12/22/22 23:34	1
o-Xylene	<0.000376	U	0.00219	0.000376	mg/Kg	☆	12/21/22 12:40	12/22/22 23:34	1
Xylenes, Total	<0.00110	U	0.00437	0.00110	mg/Kg	☆	12/21/22 12:40	12/22/22 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/21/22 12:40	12/22/22 23:34	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/21/22 12:40	12/22/22 23:34	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	40.8	J B	54.1	16.2	mg/Kg	☆	12/13/22 10:20	12/17/22 13:29	1
>C12-C28 Range Hydrocarbons	27.1	J	54.1	16.2	mg/Kg	☆	12/13/22 10:20	12/17/22 13:29	1
>C28-C35 Range Hydrocarbons	<16.2	U	54.1	16.2	mg/Kg	☆	12/13/22 10:20	12/17/22 13:29	1
Total Petroleum Hydrocarbons (C6-C35)	67.9		54.1	16.2	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	12/13/22 10:20	12/17/22 13:29	1
o-Terphenyl (Surr)	112		70 - 130	12/13/22 10:20	12/17/22 13:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.1		5.41	0.427	mg/Kg	☆		12/14/22 00:06	1

Client Sample ID: B-4-1'-120822

Lab Sample ID: 880-22580-4

Date Collected: 12/08/22 10:45

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000421	U	0.00219	0.000421	mg/Kg	☆	12/21/22 12:40	12/22/22 23:55	1
Toluene	<0.000498	U	0.00219	0.000498	mg/Kg	☆	12/21/22 12:40	12/22/22 23:55	1
Ethylbenzene	<0.000617	U	0.00219	0.000617	mg/Kg	☆	12/21/22 12:40	12/22/22 23:55	1
m-Xylene & p-Xylene	<0.00110	U	0.00437	0.00110	mg/Kg	☆	12/21/22 12:40	12/22/22 23:55	1
o-Xylene	<0.000376	U	0.00219	0.000376	mg/Kg	☆	12/21/22 12:40	12/22/22 23:55	1
Xylenes, Total	<0.00110	U	0.00437	0.00110	mg/Kg	☆	12/21/22 12:40	12/22/22 23:55	1

Eurofins Midland

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-4-1'-120822

Lab Sample ID: 880-22580-4

Date Collected: 12/08/22 10:45

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/21/22 12:40	12/22/22 23:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/21/22 12:40	12/22/22 23:55	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	38.5	J B	54.8	16.4	mg/Kg	☆	12/13/22 10:20	12/17/22 13:51	1
>C12-C28 Range Hydrocarbons	27.8	J	54.8	16.4	mg/Kg	☆	12/13/22 10:20	12/17/22 13:51	1
>C28-C35 Range Hydrocarbons	<16.4	U	54.8	16.4	mg/Kg	☆	12/13/22 10:20	12/17/22 13:51	1
Total Petroleum Hydrocarbons (C6-C35)	66.3		54.8	16.4	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	12/13/22 10:20	12/17/22 13:51	1
o-Terphenyl (Surr)	96		70 - 130	12/13/22 10:20	12/17/22 13:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		5.55	0.439	mg/Kg	☆		12/14/22 00:13	1

Client Sample ID: B-5-1'-120822

Lab Sample ID: 880-22580-5

Date Collected: 12/08/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000421	U H	0.00219	0.000421	mg/Kg	☆	12/21/22 12:40	12/23/22 00:15	1
Toluene	<0.000498	U H	0.00219	0.000498	mg/Kg	☆	12/21/22 12:40	12/23/22 00:15	1
Ethylbenzene	<0.000617	U H	0.00219	0.000617	mg/Kg	☆	12/21/22 12:40	12/23/22 00:15	1
m-Xylene & p-Xylene	<0.00110	U H	0.00437	0.00110	mg/Kg	☆	12/21/22 12:40	12/23/22 00:15	1
o-Xylene	<0.000376	U H	0.00219	0.000376	mg/Kg	☆	12/21/22 12:40	12/23/22 00:15	1
Xylenes, Total	<0.00110	U H	0.00437	0.00110	mg/Kg	☆	12/21/22 12:40	12/23/22 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/21/22 12:40	12/23/22 00:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/21/22 12:40	12/23/22 00:15	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	27.5	J B	55.1	16.5	mg/Kg	☆	12/13/22 10:20	12/17/22 14:12	1
>C12-C28 Range Hydrocarbons	24.5	J	55.1	16.5	mg/Kg	☆	12/13/22 10:20	12/17/22 14:12	1
>C28-C35 Range Hydrocarbons	<16.5	U	55.1	16.5	mg/Kg	☆	12/13/22 10:20	12/17/22 14:12	1
Total Petroleum Hydrocarbons (C6-C35)	52.0	J	55.1	16.5	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	12/13/22 10:20	12/17/22 14:12	1
o-Terphenyl (Surr)	96		70 - 130	12/13/22 10:20	12/17/22 14:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		5.56	0.440	mg/Kg	☆		12/14/22 00:20	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-1-0.5'-120822

Lab Sample ID: 880-22580-6

Date Collected: 12/08/22 10:55

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000424	U H	0.00220	0.000424	mg/Kg	✱	12/21/22 12:40	12/23/22 00:36	1
Toluene	<0.000502	U H	0.00220	0.000502	mg/Kg	✱	12/21/22 12:40	12/23/22 00:36	1
Ethylbenzene	<0.000622	U H	0.00220	0.000622	mg/Kg	✱	12/21/22 12:40	12/23/22 00:36	1
m-Xylene & p-Xylene	<0.00111	U H	0.00441	0.00111	mg/Kg	✱	12/21/22 12:40	12/23/22 00:36	1
o-Xylene	<0.000379	U H	0.00220	0.000379	mg/Kg	✱	12/21/22 12:40	12/23/22 00:36	1
Xylenes, Total	<0.00111	U H	0.00441	0.00111	mg/Kg	✱	12/21/22 12:40	12/23/22 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/21/22 12:40	12/23/22 00:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/21/22 12:40	12/23/22 00:36	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	41.8	J B	54.6	16.4	mg/Kg	✱	12/13/22 10:20	12/17/22 17:22	1
>C12-C28 Range Hydrocarbons	82.8		54.6	16.4	mg/Kg	✱	12/13/22 10:20	12/17/22 17:22	1
>C28-C35 Range Hydrocarbons	<16.4	U	54.6	16.4	mg/Kg	✱	12/13/22 10:20	12/17/22 17:22	1
Total Petroleum Hydrocarbons (C6-C35)	125		54.6	16.4	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	12/13/22 10:20	12/17/22 17:22	1
o-Terphenyl (Surr)	119		70 - 130	12/13/22 10:20	12/17/22 17:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		5.49	0.433	mg/Kg	✱		12/14/22 00:42	1

Client Sample ID: SW-2-0.5'-120822

Lab Sample ID: 880-22580-7

Date Collected: 12/08/22 11:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000428	U H	0.00222	0.000428	mg/Kg	✱	12/21/22 12:40	12/23/22 00:57	1
Toluene	<0.000507	U H	0.00222	0.000507	mg/Kg	✱	12/21/22 12:40	12/23/22 00:57	1
Ethylbenzene	<0.000628	U H	0.00222	0.000628	mg/Kg	✱	12/21/22 12:40	12/23/22 00:57	1
m-Xylene & p-Xylene	<0.00112	U H	0.00445	0.00112	mg/Kg	✱	12/21/22 12:40	12/23/22 00:57	1
o-Xylene	<0.000383	U H	0.00222	0.000383	mg/Kg	✱	12/21/22 12:40	12/23/22 00:57	1
Xylenes, Total	<0.00112	U H	0.00445	0.00112	mg/Kg	✱	12/21/22 12:40	12/23/22 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/21/22 12:40	12/23/22 00:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/21/22 12:40	12/23/22 00:57	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	25.9	J B	55.0	16.5	mg/Kg	✱	12/13/22 10:20	12/17/22 17:43	1
>C12-C28 Range Hydrocarbons	24.4	J	55.0	16.5	mg/Kg	✱	12/13/22 10:20	12/17/22 17:43	1
>C28-C35 Range Hydrocarbons	<16.5	U	55.0	16.5	mg/Kg	✱	12/13/22 10:20	12/17/22 17:43	1
Total Petroleum Hydrocarbons (C6-C35)	50.3	J	55.0	16.5	mg/Kg			12/19/22 11:54	1

Eurofins Midland

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-2-0.5'-120822

Lab Sample ID: 880-22580-7

Date Collected: 12/08/22 11:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	12/13/22 10:20	12/17/22 17:43	1
o-Terphenyl (Surr)	112		70 - 130	12/13/22 10:20	12/17/22 17:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	489		5.51	0.435	mg/Kg	✱		12/14/22 00:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: SW-3-0.5'-120822

Lab Sample ID: 880-22580-8

Date Collected: 12/09/22 09:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000413	U	0.00215	0.000413	mg/Kg	✱	12/21/22 12:40	12/23/22 01:18	1
Toluene	0.000700	J	0.00215	0.000489	mg/Kg	✱	12/21/22 12:40	12/23/22 01:18	1
Ethylbenzene	<0.000606	U	0.00215	0.000606	mg/Kg	✱	12/21/22 12:40	12/23/22 01:18	1
m-Xylene & p-Xylene	<0.00108	U	0.00429	0.00108	mg/Kg	✱	12/21/22 12:40	12/23/22 01:18	1
o-Xylene	<0.000369	U	0.00215	0.000369	mg/Kg	✱	12/21/22 12:40	12/23/22 01:18	1
Xylenes, Total	<0.00108	U	0.00429	0.00108	mg/Kg	✱	12/21/22 12:40	12/23/22 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/21/22 12:40	12/23/22 01:18	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/21/22 12:40	12/23/22 01:18	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	32.5	J B	53.7	16.1	mg/Kg	✱	12/13/22 10:20	12/17/22 18:05	1
>C12-C28 Range Hydrocarbons	25.0	J	53.7	16.1	mg/Kg	✱	12/13/22 10:20	12/17/22 18:05	1
>C28-C35 Range Hydrocarbons	<16.1	U	53.7	16.1	mg/Kg	✱	12/13/22 10:20	12/17/22 18:05	1
Total Petroleum Hydrocarbons (C6-C35)	57.5		53.7	16.1	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	12/13/22 10:20	12/17/22 18:05	1
o-Terphenyl (Surr)	119		70 - 130	12/13/22 10:20	12/17/22 18:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		5.41	0.427	mg/Kg	✱		12/14/22 00:57	1

Client Sample ID: SW-4-0.5'-120822

Lab Sample ID: 880-22580-9

Date Collected: 12/09/22 10:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00212	0.000408	mg/Kg	✱	12/21/22 12:40	12/23/22 01:38	1
Toluene	<0.000483	U	0.00212	0.000483	mg/Kg	✱	12/21/22 12:40	12/23/22 01:38	1
Ethylbenzene	<0.000598	U	0.00212	0.000598	mg/Kg	✱	12/21/22 12:40	12/23/22 01:38	1
m-Xylene & p-Xylene	<0.00107	U	0.00424	0.00107	mg/Kg	✱	12/21/22 12:40	12/23/22 01:38	1
o-Xylene	<0.000364	U	0.00212	0.000364	mg/Kg	✱	12/21/22 12:40	12/23/22 01:38	1
Xylenes, Total	<0.00107	U	0.00424	0.00107	mg/Kg	✱	12/21/22 12:40	12/23/22 01:38	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-4-0.5'-120822

Lab Sample ID: 880-22580-9

Date Collected: 12/09/22 10:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/21/22 12:40	12/23/22 01:38	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/21/22 12:40	12/23/22 01:38	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	20.1	J B	53.4	16.0	mg/Kg	☆	12/13/22 10:20	12/17/22 18:27	1
>C12-C28 Range Hydrocarbons	23.1	J	53.4	16.0	mg/Kg	☆	12/13/22 10:20	12/17/22 18:27	1
>C28-C35 Range Hydrocarbons	<16.0	U	53.4	16.0	mg/Kg	☆	12/13/22 10:20	12/17/22 18:27	1
Total Petroleum Hydrocarbons (C6-C35)	43.2	J	53.4	16.0	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	12/13/22 10:20	12/17/22 18:27	1
o-Terphenyl (Surr)	106		70 - 130	12/13/22 10:20	12/17/22 18:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		5.37	0.424	mg/Kg	☆		12/14/22 01:04	1

Client Sample ID: B-6-2'-12080922

Lab Sample ID: 880-22580-10

Date Collected: 12/09/22 10:30

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000438	U	0.00228	0.000438	mg/Kg	☆	12/21/22 12:40	12/23/22 01:59	1
Toluene	<0.000519	U	0.00228	0.000519	mg/Kg	☆	12/21/22 12:40	12/23/22 01:59	1
Ethylbenzene	<0.000643	U	0.00228	0.000643	mg/Kg	☆	12/21/22 12:40	12/23/22 01:59	1
m-Xylene & p-Xylene	<0.00115	U	0.00455	0.00115	mg/Kg	☆	12/21/22 12:40	12/23/22 01:59	1
o-Xylene	<0.000392	U	0.00228	0.000392	mg/Kg	☆	12/21/22 12:40	12/23/22 01:59	1
Xylenes, Total	<0.00115	U	0.00455	0.00115	mg/Kg	☆	12/21/22 12:40	12/23/22 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/21/22 12:40	12/23/22 01:59	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/21/22 12:40	12/23/22 01:59	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	39.0	J B	56.6	17.0	mg/Kg	☆	12/13/22 10:20	12/17/22 18:50	1
>C12-C28 Range Hydrocarbons	20.9	J	56.6	17.0	mg/Kg	☆	12/13/22 10:20	12/17/22 18:50	1
>C28-C35 Range Hydrocarbons	<17.0	U	56.6	17.0	mg/Kg	☆	12/13/22 10:20	12/17/22 18:50	1
Total Petroleum Hydrocarbons (C6-C35)	59.9		56.6	17.0	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	12/13/22 10:20	12/17/22 18:50	1
o-Terphenyl (Surr)	109		70 - 130	12/13/22 10:20	12/17/22 18:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		5.65	0.446	mg/Kg	☆		12/14/22 01:11	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-7-2'-12080922

Lab Sample ID: 880-22580-11

Date Collected: 12/09/22 10:40

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000444	U	0.00231	0.000444	mg/Kg	✱	12/21/22 12:40	12/23/22 02:20	1
Toluene	<0.000526	U	0.00231	0.000526	mg/Kg	✱	12/21/22 12:40	12/23/22 02:20	1
Ethylbenzene	<0.000652	U	0.00231	0.000652	mg/Kg	✱	12/21/22 12:40	12/23/22 02:20	1
m-Xylene & p-Xylene	<0.00116	U	0.00461	0.00116	mg/Kg	✱	12/21/22 12:40	12/23/22 02:20	1
o-Xylene	<0.000397	U	0.00231	0.000397	mg/Kg	✱	12/21/22 12:40	12/23/22 02:20	1
Xylenes, Total	<0.00116	U	0.00461	0.00116	mg/Kg	✱	12/21/22 12:40	12/23/22 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/21/22 12:40	12/23/22 02:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/21/22 12:40	12/23/22 02:20	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	45.0	J B	58.1	17.4	mg/Kg	✱	12/13/22 10:20	12/17/22 19:33	1
>C12-C28 Range Hydrocarbons	25.7	J	58.1	17.4	mg/Kg	✱	12/13/22 10:20	12/17/22 19:33	1
>C28-C35 Range Hydrocarbons	<17.4	U	58.1	17.4	mg/Kg	✱	12/13/22 10:20	12/17/22 19:33	1
Total Petroleum Hydrocarbons (C6-C35)	70.7		58.1	17.4	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	12/13/22 10:20	12/17/22 19:33	1
o-Terphenyl (Surr)	114		70 - 130	12/13/22 10:20	12/17/22 19:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		5.78	0.456	mg/Kg	✱		12/14/22 01:18	1

Client Sample ID: B-8-2'-12080922

Lab Sample ID: 880-22580-12

Date Collected: 12/09/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000417	U	0.00217	0.000417	mg/Kg	✱	12/21/22 12:40	12/23/22 03:44	1
Toluene	<0.000494	U	0.00217	0.000494	mg/Kg	✱	12/21/22 12:40	12/23/22 03:44	1
Ethylbenzene	<0.000612	U	0.00217	0.000612	mg/Kg	✱	12/21/22 12:40	12/23/22 03:44	1
m-Xylene & p-Xylene	<0.00109	U	0.00433	0.00109	mg/Kg	✱	12/21/22 12:40	12/23/22 03:44	1
o-Xylene	<0.000373	U	0.00217	0.000373	mg/Kg	✱	12/21/22 12:40	12/23/22 03:44	1
Xylenes, Total	<0.00109	U	0.00433	0.00109	mg/Kg	✱	12/21/22 12:40	12/23/22 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/21/22 12:40	12/23/22 03:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/21/22 12:40	12/23/22 03:44	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	48.8	J B	53.9	16.2	mg/Kg	✱	12/13/22 10:20	12/17/22 19:53	1
>C12-C28 Range Hydrocarbons	17.2	J	53.9	16.2	mg/Kg	✱	12/13/22 10:20	12/17/22 19:53	1
>C28-C35 Range Hydrocarbons	<16.2	U	53.9	16.2	mg/Kg	✱	12/13/22 10:20	12/17/22 19:53	1
Total Petroleum Hydrocarbons (C6-C35)	66.0		53.9	16.2	mg/Kg			12/19/22 11:54	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-8-2'-12080922

Lab Sample ID: 880-22580-12

Date Collected: 12/09/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	12/13/22 10:20	12/17/22 19:53	1
o-Terphenyl (Surr)	99		70 - 130	12/13/22 10:20	12/17/22 19:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.6		5.44	0.430	mg/Kg	☆		12/14/22 01:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: B-9-2'-12080922

Lab Sample ID: 880-22580-13

Date Collected: 12/09/22 11:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000430	U	0.00224	0.000430	mg/Kg	☆	12/21/22 12:40	12/23/22 04:05	1
Toluene	<0.000510	U	0.00224	0.000510	mg/Kg	☆	12/21/22 12:40	12/23/22 04:05	1
Ethylbenzene	<0.000631	U	0.00224	0.000631	mg/Kg	☆	12/21/22 12:40	12/23/22 04:05	1
m-Xylene & p-Xylene	<0.00113	U	0.00447	0.00113	mg/Kg	☆	12/21/22 12:40	12/23/22 04:05	1
o-Xylene	<0.000384	U	0.00224	0.000384	mg/Kg	☆	12/21/22 12:40	12/23/22 04:05	1
Xylenes, Total	<0.00113	U	0.00447	0.00113	mg/Kg	☆	12/21/22 12:40	12/23/22 04:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/21/22 12:40	12/23/22 04:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/21/22 12:40	12/23/22 04:05	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	46.9	J B	55.8	16.7	mg/Kg	☆	12/13/22 10:20	12/17/22 20:14	1
>C12-C28 Range Hydrocarbons	20.5	J	55.8	16.7	mg/Kg	☆	12/13/22 10:20	12/17/22 20:14	1
>C28-C35 Range Hydrocarbons	<16.7	U	55.8	16.7	mg/Kg	☆	12/13/22 10:20	12/17/22 20:14	1
Total Petroleum Hydrocarbons (C6-C35)	67.4		55.8	16.7	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	12/13/22 10:20	12/17/22 20:14	1
o-Terphenyl (Surr)	110		70 - 130	12/13/22 10:20	12/17/22 20:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.8		5.55	0.439	mg/Kg	☆		12/14/22 01:47	1

Client Sample ID: B-10-2'-12080922

Lab Sample ID: 880-22580-14

Date Collected: 12/09/22 11:10

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000425	U	0.00221	0.000425	mg/Kg	☆	12/21/22 12:40	12/23/22 04:25	1
Toluene	<0.000503	U	0.00221	0.000503	mg/Kg	☆	12/21/22 12:40	12/23/22 04:25	1
Ethylbenzene	<0.000624	U	0.00221	0.000624	mg/Kg	☆	12/21/22 12:40	12/23/22 04:25	1
m-Xylene & p-Xylene	<0.00111	U	0.00441	0.00111	mg/Kg	☆	12/21/22 12:40	12/23/22 04:25	1
o-Xylene	<0.000380	U	0.00221	0.000380	mg/Kg	☆	12/21/22 12:40	12/23/22 04:25	1
Xylenes, Total	<0.00111	U	0.00441	0.00111	mg/Kg	☆	12/21/22 12:40	12/23/22 04:25	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-10-2'-12080922

Lab Sample ID: 880-22580-14

Date Collected: 12/09/22 11:10

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/21/22 12:40	12/23/22 04:25	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/21/22 12:40	12/23/22 04:25	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	49.5	J B	54.7	16.4	mg/Kg	☆	12/13/22 10:20	12/17/22 20:35	1
>C12-C28 Range Hydrocarbons	17.5	J	54.7	16.4	mg/Kg	☆	12/13/22 10:20	12/17/22 20:35	1
>C28-C35 Range Hydrocarbons	<16.4	U	54.7	16.4	mg/Kg	☆	12/13/22 10:20	12/17/22 20:35	1
Total Petroleum Hydrocarbons (C6-C35)	67.0		54.7	16.4	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	12/13/22 10:20	12/17/22 20:35	1
o-Terphenyl (Surr)	115		70 - 130	12/13/22 10:20	12/17/22 20:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.4		5.52	0.436	mg/Kg	☆		12/14/22 02:09	1

Client Sample ID: SW-5-1'-120922

Lab Sample ID: 880-22580-15

Date Collected: 12/09/22 12:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000417	U	0.00216	0.000417	mg/Kg	☆	12/21/22 12:40	12/23/22 04:46	1
Toluene	<0.000493	U	0.00216	0.000493	mg/Kg	☆	12/21/22 12:40	12/23/22 04:46	1
Ethylbenzene	<0.000611	U	0.00216	0.000611	mg/Kg	☆	12/21/22 12:40	12/23/22 04:46	1
m-Xylene & p-Xylene	<0.00109	U	0.00433	0.00109	mg/Kg	☆	12/21/22 12:40	12/23/22 04:46	1
o-Xylene	<0.000372	U	0.00216	0.000372	mg/Kg	☆	12/21/22 12:40	12/23/22 04:46	1
Xylenes, Total	<0.00109	U	0.00433	0.00109	mg/Kg	☆	12/21/22 12:40	12/23/22 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/21/22 12:40	12/23/22 04:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/21/22 12:40	12/23/22 04:46	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	50.8	J B	54.3	16.3	mg/Kg	☆	12/13/22 10:20	12/17/22 20:55	1
>C12-C28 Range Hydrocarbons	16.9	J	54.3	16.3	mg/Kg	☆	12/13/22 10:20	12/17/22 20:55	1
>C28-C35 Range Hydrocarbons	<16.3	U	54.3	16.3	mg/Kg	☆	12/13/22 10:20	12/17/22 20:55	1
Total Petroleum Hydrocarbons (C6-C35)	67.7		54.3	16.3	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	12/13/22 10:20	12/17/22 20:55	1
o-Terphenyl (Surr)	124		70 - 130	12/13/22 10:20	12/17/22 20:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.43	0.429	mg/Kg	☆		12/14/22 02:16	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-6-1'-120922

Lab Sample ID: 880-22580-16

Date Collected: 12/09/22 12:10

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000413	U	0.00215	0.000413	mg/Kg	✱	12/21/22 12:40	12/23/22 05:07	1
Toluene	<0.000489	U	0.00215	0.000489	mg/Kg	✱	12/21/22 12:40	12/23/22 05:07	1
Ethylbenzene	<0.000606	U	0.00215	0.000606	mg/Kg	✱	12/21/22 12:40	12/23/22 05:07	1
m-Xylene & p-Xylene	<0.00108	U	0.00429	0.00108	mg/Kg	✱	12/21/22 12:40	12/23/22 05:07	1
o-Xylene	<0.000369	U	0.00215	0.000369	mg/Kg	✱	12/21/22 12:40	12/23/22 05:07	1
Xylenes, Total	<0.00108	U	0.00429	0.00108	mg/Kg	✱	12/21/22 12:40	12/23/22 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/21/22 12:40	12/23/22 05:07	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/21/22 12:40	12/23/22 05:07	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	48.4	J B	53.4	16.0	mg/Kg	✱	12/13/22 10:20	12/17/22 21:15	1
>C12-C28 Range Hydrocarbons	17.8	J	53.4	16.0	mg/Kg	✱	12/13/22 10:20	12/17/22 21:15	1
>C28-C35 Range Hydrocarbons	<16.0	U	53.4	16.0	mg/Kg	✱	12/13/22 10:20	12/17/22 21:15	1
Total Petroleum Hydrocarbons (C6-C35)	66.2		53.4	16.0	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	12/13/22 10:20	12/17/22 21:15	1
o-Terphenyl (Surr)	111		70 - 130	12/13/22 10:20	12/17/22 21:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.8		5.32	0.420	mg/Kg	✱		12/14/22 02:24	1

Client Sample ID: SW-7-1'-120922

Lab Sample ID: 880-22580-17

Date Collected: 12/09/22 12:20

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000411	U	0.00213	0.000411	mg/Kg	✱	12/21/22 12:40	12/23/22 05:28	1
Toluene	<0.000486	U	0.00213	0.000486	mg/Kg	✱	12/21/22 12:40	12/23/22 05:28	1
Ethylbenzene	<0.000603	U	0.00213	0.000603	mg/Kg	✱	12/21/22 12:40	12/23/22 05:28	1
m-Xylene & p-Xylene	<0.00108	U	0.00427	0.00108	mg/Kg	✱	12/21/22 12:40	12/23/22 05:28	1
o-Xylene	<0.000367	U	0.00213	0.000367	mg/Kg	✱	12/21/22 12:40	12/23/22 05:28	1
Xylenes, Total	<0.00108	U	0.00427	0.00108	mg/Kg	✱	12/21/22 12:40	12/23/22 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/21/22 12:40	12/23/22 05:28	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/21/22 12:40	12/23/22 05:28	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	36.1	J B	53.3	16.0	mg/Kg	✱	12/13/22 10:20	12/17/22 21:36	1
>C12-C28 Range Hydrocarbons	17.5	J	53.3	16.0	mg/Kg	✱	12/13/22 10:20	12/17/22 21:36	1
>C28-C35 Range Hydrocarbons	<16.0	U	53.3	16.0	mg/Kg	✱	12/13/22 10:20	12/17/22 21:36	1
Total Petroleum Hydrocarbons (C6-C35)	53.6		53.3	16.0	mg/Kg			12/19/22 11:54	1

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-7-1'-120922

Lab Sample ID: 880-22580-17

Date Collected: 12/09/22 12:20

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	12/13/22 10:20	12/17/22 21:36	1
o-Terphenyl (Surr)	107		70 - 130	12/13/22 10:20	12/17/22 21:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		5.31	0.420	mg/Kg	✱		12/14/22 02:31	1

Client Sample ID: SW-8-1'-120922

Lab Sample ID: 880-22580-18

Date Collected: 12/09/22 12:30

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000417	U	0.00217	0.000417	mg/Kg	✱	12/21/22 12:40	12/23/22 05:48	1
Toluene	<0.000494	U	0.00217	0.000494	mg/Kg	✱	12/21/22 12:40	12/23/22 05:48	1
Ethylbenzene	<0.000613	U	0.00217	0.000613	mg/Kg	✱	12/21/22 12:40	12/23/22 05:48	1
m-Xylene & p-Xylene	<0.00109	U	0.00434	0.00109	mg/Kg	✱	12/21/22 12:40	12/23/22 05:48	1
o-Xylene	<0.000373	U	0.00217	0.000373	mg/Kg	✱	12/21/22 12:40	12/23/22 05:48	1
Xylenes, Total	<0.00109	U	0.00434	0.00109	mg/Kg	✱	12/21/22 12:40	12/23/22 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/21/22 12:40	12/23/22 05:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/21/22 12:40	12/23/22 05:48	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	23.5	J B	53.7	16.1	mg/Kg	✱	12/13/22 10:20	12/17/22 21:57	1
>C12-C28 Range Hydrocarbons	18.5	J	53.7	16.1	mg/Kg	✱	12/13/22 10:20	12/17/22 21:57	1
>C28-C35 Range Hydrocarbons	<16.1	U	53.7	16.1	mg/Kg	✱	12/13/22 10:20	12/17/22 21:57	1
Total Petroleum Hydrocarbons (C6-C35)	42.0	J	53.7	16.1	mg/Kg			12/19/22 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	12/13/22 10:20	12/17/22 21:57	1
o-Terphenyl (Surr)	114		70 - 130	12/13/22 10:20	12/17/22 21:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		5.41	0.427	mg/Kg	✱		12/14/22 02:38	1

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Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-22580-1	B-1-1'-120822	222 S1+	258 S1+				
880-22580-2	B-2-1'-120822	106	94				
880-22580-2 MS	B-2-1'-120822	96	94				
880-22580-2 MSD	B-2-1'-120822	94	96				
880-22580-3	B-3-1'-120822	116	96				
880-22580-4	B-4-1'-120822	112	102				
880-22580-5	B-5-1'-120822	123	96				
880-22580-6	SW-1-0.5'-120822	118	100				
880-22580-7	SW-2-0.5'-120822	110	98				
880-22580-8	SW-3-0.5'-120822	113	97				
880-22580-9	SW-4-0.5'-120822	118	98				
880-22580-10	B-6-2'-12080922	115	103				
880-22580-11	B-7-2'-12080922	120	100				
880-22580-12	B-8-2'-12080922	103	93				
880-22580-13	B-9-2'-12080922	117	103				
880-22580-14	B-10-2'-12080922	119	103				
880-22580-15	SW-5-1'-120922	124	97				
880-22580-16	SW-6-1'-120922	122	98				
880-22580-17	SW-7-1'-120922	123	107				
880-22580-18	SW-8-1'-120922	119	102				
LCS 880-42420/1-A	Lab Control Sample	93	96				
LCSD 880-42420/2-A	Lab Control Sample Dup	98	95				
MB 880-42358/5-A	Method Blank	100	86				
MB 880-42420/5-A	Method Blank	97	90				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO	OTPH				
		(70-130)	(70-130)				
880-22580-1	B-1-1'-120822	91	94				
880-22580-1 MS	B-1-1'-120822	100	93				
880-22580-1 MSD	B-1-1'-120822	86	80				
880-22580-2	B-2-1'-120822	93	98				
880-22580-3	B-3-1'-120822	108	112				
880-22580-4	B-4-1'-120822	93	96				
880-22580-5	B-5-1'-120822	94	96				
880-22580-6	SW-1-0.5'-120822	105	119				
880-22580-7	SW-2-0.5'-120822	101	112				
880-22580-8	SW-3-0.5'-120822	111	119				
880-22580-9	SW-4-0.5'-120822	100	106				
880-22580-10	B-6-2'-12080922	101	109				
880-22580-11	B-7-2'-12080922	106	114				
880-22580-12	B-8-2'-12080922	91	99				
880-22580-13	B-9-2'-12080922	106	110				

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Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO	OTPH				
		(70-130)	(70-130)				
880-22580-14	B-10-2'-12080922	110	115				
880-22580-15	SW-5-1'-120922	114	124				
880-22580-16	SW-6-1'-120922	107	111				
880-22580-17	SW-7-1'-120922	103	107				
880-22580-18	SW-8-1'-120922	106	114				
LCS 880-41722/2-A	Lab Control Sample	91	99				
LCSD 880-41722/3-A	Lab Control Sample Dup	89	97				
MB 880-41722/1-A	Method Blank	119	114				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42358/5-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		12/20/22 21:37	12/22/22 11:19	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		12/20/22 21:37	12/22/22 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/20/22 21:37	12/22/22 11:19	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/20/22 21:37	12/22/22 11:19	1

Lab Sample ID: MB 880-42420/5-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42420

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		12/21/22 12:40	12/22/22 22:51	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		12/21/22 12:40	12/22/22 22:51	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		12/21/22 12:40	12/22/22 22:51	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		12/21/22 12:40	12/22/22 22:51	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		12/21/22 12:40	12/22/22 22:51	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		12/21/22 12:40	12/22/22 22:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/21/22 12:40	12/22/22 22:51	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/21/22 12:40	12/22/22 22:51	1

Lab Sample ID: LCS 880-42420/1-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08886		mg/Kg		89	70 - 130
Toluene	0.100	0.08400		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.07872		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1638		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08467		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-42420/2-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08880		mg/Kg		89	70 - 130	0	35

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QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-42420/2-A

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08616		mg/Kg		86	70 - 130	3	35
Ethylbenzene	0.100	0.08076		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1712		mg/Kg		86	70 - 130	4	35
o-Xylene	0.100	0.08842		mg/Kg		88	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-22580-2 MS

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: B-2-1'-120822

Prep Type: Total/NA

Prep Batch: 42420

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000428	U	0.112	0.08153		mg/Kg	✱	73	70 - 130
Toluene	<0.000507	U	0.112	0.07835		mg/Kg	✱	70	70 - 130
Ethylbenzene	<0.000629	U F1	0.112	0.07400	F1	mg/Kg	✱	66	70 - 130
m-Xylene & p-Xylene	<0.00112	U F1	0.223	0.1569		mg/Kg	✱	70	70 - 130
o-Xylene	<0.000383	U	0.112	0.08049		mg/Kg	✱	72	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-22580-2 MSD

Matrix: Solid

Analysis Batch: 42466

Client Sample ID: B-2-1'-120822

Prep Type: Total/NA

Prep Batch: 42420

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000428	U	0.110	0.08370		mg/Kg	✱	76	70 - 130	3	35
Toluene	<0.000507	U	0.110	0.07928		mg/Kg	✱	72	70 - 130	1	35
Ethylbenzene	<0.000629	U F1	0.110	0.07295	F1	mg/Kg	✱	66	70 - 130	1	35
m-Xylene & p-Xylene	<0.00112	U F1	0.221	0.1518	F1	mg/Kg	✱	69	70 - 130	3	35
o-Xylene	<0.000383	U	0.110	0.07819		mg/Kg	✱	71	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-41722/1-A

Matrix: Solid

Analysis Batch: 42082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	15.43	J	50.0	15.0	mg/Kg		12/13/22 10:20	12/17/22 09:26	1
>C12-C28 Range Hydrocarbons	<15.0	U	50.0	15.0	mg/Kg		12/13/22 10:20	12/17/22 09:26	1

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QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: MB 880-41722/1-A

Matrix: Solid

Analysis Batch: 42082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35 Range Hydrocarbons	<15.0	U	50.0	15.0	mg/Kg		12/13/22 10:20	12/17/22 09:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	12/13/22 10:20	12/17/22 09:26	1
o-Terphenyl (Surr)	114		70 - 130	12/13/22 10:20	12/17/22 09:26	1

Lab Sample ID: LCS 880-41722/2-A

Matrix: Solid

Analysis Batch: 42082

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12 Range Hydrocarbons	1000	820.3		mg/Kg		82	75 - 125
>C12-C28 Range Hydrocarbons	1000	771.4		mg/Kg		77	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-41722/3-A

Matrix: Solid

Analysis Batch: 42082

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C12 Range Hydrocarbons	1000	829.8		mg/Kg		83	75 - 125	1	25
>C12-C28 Range Hydrocarbons	1000	781.7		mg/Kg		78	75 - 125	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Lab Sample ID: 880-22580-1 MS

Matrix: Solid

Analysis Batch: 42082

Client Sample ID: B-1-1'-120822

Prep Type: Total/NA

Prep Batch: 41722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12 Range Hydrocarbons	31.0	J B F1	1100	1579	F1	mg/Kg	✱	140	75 - 125
>C12-C28 Range Hydrocarbons	37.8	J	1100	1157		mg/Kg	✱	102	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	93		70 - 130

Lab Sample ID: 880-22580-1 MSD

Matrix: Solid

Analysis Batch: 42082

Client Sample ID: B-1-1'-120822

Prep Type: Total/NA

Prep Batch: 41722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C12 Range Hydrocarbons	31.0	J B F1	1100	1271		mg/Kg	✱	113	75 - 125	22	25

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QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: 880-22580-1 MSD

Matrix: Solid

Analysis Batch: 42082

Client Sample ID: B-1-1'-120822

Prep Type: Total/NA

Prep Batch: 41722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
>C12-C28 Range Hydrocarbons	37.8	J	1100	994.6		mg/Kg	✱	87	75 - 125	15	25
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	86		70 - 130								
o-Terphenyl (Surr)	80		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41605/1-A

Matrix: Solid

Analysis Batch: 41692

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			12/13/22 23:15	1

Lab Sample ID: LCS 880-41605/2-A

Matrix: Solid

Analysis Batch: 41692

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.7		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-41605/3-A

Matrix: Solid

Analysis Batch: 41692

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.5		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-22580-1 MS

Matrix: Solid

Analysis Batch: 41692

Client Sample ID: B-1-1'-120822

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.7		277	384.7		mg/Kg	✱	110	90 - 110

Lab Sample ID: 880-22580-1 MSD

Matrix: Solid

Analysis Batch: 41692

Client Sample ID: B-1-1'-120822

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.7		277	381.4		mg/Kg	✱	109	90 - 110	1	20

Lab Sample ID: 880-22580-11 MS

Matrix: Solid

Analysis Batch: 41692

Client Sample ID: B-7-2'-12080922

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	201		289	496.5		mg/Kg	✱	102	90 - 110

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QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22580-11 MSD						Client Sample ID: B-7-2'-12080922						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 41692												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	201		289	495.8		mg/Kg	✧	102	90 - 110	0	20	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

GC VOA

Prep Batch: 42358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42358/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 42368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Total/NA	Solid	8021B	42379

Prep Batch: 42379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Total/NA	Solid	5030B	

Prep Batch: 42420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-2	B-2-1'-120822	Total/NA	Solid	5030B	
880-22580-3	B-3-1'-120822	Total/NA	Solid	5030B	
880-22580-4	B-4-1'-120822	Total/NA	Solid	5030B	
880-22580-5	B-5-1'-120822	Total/NA	Solid	5030B	
880-22580-6	SW-1-0.5'-120822	Total/NA	Solid	5030B	
880-22580-7	SW-2-0.5'-120822	Total/NA	Solid	5030B	
880-22580-8	SW-3-0.5'-120822	Total/NA	Solid	5030B	
880-22580-9	SW-4-0.5'-120822	Total/NA	Solid	5030B	
880-22580-10	B-6-2'-12080922	Total/NA	Solid	5030B	
880-22580-11	B-7-2'-12080922	Total/NA	Solid	5030B	
880-22580-12	B-8-2'-12080922	Total/NA	Solid	5030B	
880-22580-13	B-9-2'-12080922	Total/NA	Solid	5030B	
880-22580-14	B-10-2'-12080922	Total/NA	Solid	5030B	
880-22580-15	SW-5-1'-120922	Total/NA	Solid	5030B	
880-22580-16	SW-6-1'-120922	Total/NA	Solid	5030B	
880-22580-17	SW-7-1'-120922	Total/NA	Solid	5030B	
880-22580-18	SW-8-1'-120922	Total/NA	Solid	5030B	
MB 880-42420/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-42420/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-42420/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-22580-2 MS	B-2-1'-120822	Total/NA	Solid	5030B	
880-22580-2 MSD	B-2-1'-120822	Total/NA	Solid	5030B	

Analysis Batch: 42466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-2	B-2-1'-120822	Total/NA	Solid	8021B	42420
880-22580-3	B-3-1'-120822	Total/NA	Solid	8021B	42420
880-22580-4	B-4-1'-120822	Total/NA	Solid	8021B	42420
880-22580-5	B-5-1'-120822	Total/NA	Solid	8021B	42420
880-22580-6	SW-1-0.5'-120822	Total/NA	Solid	8021B	42420
880-22580-7	SW-2-0.5'-120822	Total/NA	Solid	8021B	42420
880-22580-8	SW-3-0.5'-120822	Total/NA	Solid	8021B	42420
880-22580-9	SW-4-0.5'-120822	Total/NA	Solid	8021B	42420
880-22580-10	B-6-2'-12080922	Total/NA	Solid	8021B	42420
880-22580-11	B-7-2'-12080922	Total/NA	Solid	8021B	42420
880-22580-12	B-8-2'-12080922	Total/NA	Solid	8021B	42420
880-22580-13	B-9-2'-12080922	Total/NA	Solid	8021B	42420
880-22580-14	B-10-2'-12080922	Total/NA	Solid	8021B	42420
880-22580-15	SW-5-1'-120922	Total/NA	Solid	8021B	42420

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QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 42466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-16	SW-6-1'-120922	Total/NA	Solid	8021B	42420
880-22580-17	SW-7-1'-120922	Total/NA	Solid	8021B	42420
880-22580-18	SW-8-1'-120922	Total/NA	Solid	8021B	42420
MB 880-42358/5-A	Method Blank	Total/NA	Solid	8021B	42358
MB 880-42420/5-A	Method Blank	Total/NA	Solid	8021B	42420
LCS 880-42420/1-A	Lab Control Sample	Total/NA	Solid	8021B	42420
LCSD 880-42420/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42420
880-22580-2 MS	B-2-1'-120822	Total/NA	Solid	8021B	42420
880-22580-2 MSD	B-2-1'-120822	Total/NA	Solid	8021B	42420

GC Semi VOA

Prep Batch: 41722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-2	B-2-1'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-3	B-3-1'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-4	B-4-1'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-5	B-5-1'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-6	SW-1-0.5'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-7	SW-2-0.5'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-8	SW-3-0.5'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-9	SW-4-0.5'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-10	B-6-2'-12080922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-11	B-7-2'-12080922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-12	B-8-2'-12080922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-13	B-9-2'-12080922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-14	B-10-2'-12080922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-15	SW-5-1'-120922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-16	SW-6-1'-120922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-17	SW-7-1'-120922	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-18	SW-8-1'-120922	Total/NA	Solid	TX_1005_S_Pre p	
MB 880-41722/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Pre p	
LCS 880-41722/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Pre p	
LCSD 880-41722/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Pre p	

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QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 41722 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1 MS	B-1-1'-120822	Total/NA	Solid	TX_1005_S_Pre p	
880-22580-1 MSD	B-1-1'-120822	Total/NA	Solid	TX_1005_S_Pre p	

Analysis Batch: 42082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Total/NA	Solid	TX 1005	41722
880-22580-2	B-2-1'-120822	Total/NA	Solid	TX 1005	41722
880-22580-3	B-3-1'-120822	Total/NA	Solid	TX 1005	41722
880-22580-4	B-4-1'-120822	Total/NA	Solid	TX 1005	41722
880-22580-5	B-5-1'-120822	Total/NA	Solid	TX 1005	41722
880-22580-6	SW-1-0.5'-120822	Total/NA	Solid	TX 1005	41722
880-22580-7	SW-2-0.5'-120822	Total/NA	Solid	TX 1005	41722
880-22580-8	SW-3-0.5'-120822	Total/NA	Solid	TX 1005	41722
880-22580-9	SW-4-0.5'-120822	Total/NA	Solid	TX 1005	41722
880-22580-10	B-6-2'-12080922	Total/NA	Solid	TX 1005	41722
880-22580-11	B-7-2'-12080922	Total/NA	Solid	TX 1005	41722
880-22580-12	B-8-2'-12080922	Total/NA	Solid	TX 1005	41722
880-22580-13	B-9-2'-12080922	Total/NA	Solid	TX 1005	41722
880-22580-14	B-10-2'-12080922	Total/NA	Solid	TX 1005	41722
880-22580-15	SW-5-1'-120922	Total/NA	Solid	TX 1005	41722
880-22580-16	SW-6-1'-120922	Total/NA	Solid	TX 1005	41722
880-22580-17	SW-7-1'-120922	Total/NA	Solid	TX 1005	41722
880-22580-18	SW-8-1'-120922	Total/NA	Solid	TX 1005	41722
MB 880-41722/1-A	Method Blank	Total/NA	Solid	TX 1005	41722
LCS 880-41722/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	41722
LCSD 880-41722/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	41722
880-22580-1 MS	B-1-1'-120822	Total/NA	Solid	TX 1005	41722
880-22580-1 MSD	B-1-1'-120822	Total/NA	Solid	TX 1005	41722

Analysis Batch: 42165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Total/NA	Solid	TX 1005	
880-22580-2	B-2-1'-120822	Total/NA	Solid	TX 1005	
880-22580-3	B-3-1'-120822	Total/NA	Solid	TX 1005	
880-22580-4	B-4-1'-120822	Total/NA	Solid	TX 1005	
880-22580-5	B-5-1'-120822	Total/NA	Solid	TX 1005	
880-22580-6	SW-1-0.5'-120822	Total/NA	Solid	TX 1005	
880-22580-7	SW-2-0.5'-120822	Total/NA	Solid	TX 1005	
880-22580-8	SW-3-0.5'-120822	Total/NA	Solid	TX 1005	
880-22580-9	SW-4-0.5'-120822	Total/NA	Solid	TX 1005	
880-22580-10	B-6-2'-12080922	Total/NA	Solid	TX 1005	
880-22580-11	B-7-2'-12080922	Total/NA	Solid	TX 1005	
880-22580-12	B-8-2'-12080922	Total/NA	Solid	TX 1005	
880-22580-13	B-9-2'-12080922	Total/NA	Solid	TX 1005	
880-22580-14	B-10-2'-12080922	Total/NA	Solid	TX 1005	
880-22580-15	SW-5-1'-120922	Total/NA	Solid	TX 1005	
880-22580-16	SW-6-1'-120922	Total/NA	Solid	TX 1005	
880-22580-17	SW-7-1'-120922	Total/NA	Solid	TX 1005	
880-22580-18	SW-8-1'-120922	Total/NA	Solid	TX 1005	

Eurofins Midland

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

HPLC/IC

Leach Batch: 41605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Soluble	Solid	DI Leach	
880-22580-2	B-2-1'-120822	Soluble	Solid	DI Leach	
880-22580-3	B-3-1'-120822	Soluble	Solid	DI Leach	
880-22580-4	B-4-1'-120822	Soluble	Solid	DI Leach	
880-22580-5	B-5-1'-120822	Soluble	Solid	DI Leach	
880-22580-6	SW-1-0.5'-120822	Soluble	Solid	DI Leach	
880-22580-7	SW-2-0.5'-120822	Soluble	Solid	DI Leach	
880-22580-8	SW-3-0.5'-120822	Soluble	Solid	DI Leach	
880-22580-9	SW-4-0.5'-120822	Soluble	Solid	DI Leach	
880-22580-10	B-6-2'-12080922	Soluble	Solid	DI Leach	
880-22580-11	B-7-2'-12080922	Soluble	Solid	DI Leach	
880-22580-12	B-8-2'-12080922	Soluble	Solid	DI Leach	
880-22580-13	B-9-2'-12080922	Soluble	Solid	DI Leach	
880-22580-14	B-10-2'-12080922	Soluble	Solid	DI Leach	
880-22580-15	SW-5-1'-120922	Soluble	Solid	DI Leach	
880-22580-16	SW-6-1'-120922	Soluble	Solid	DI Leach	
880-22580-17	SW-7-1'-120922	Soluble	Solid	DI Leach	
880-22580-18	SW-8-1'-120922	Soluble	Solid	DI Leach	
MB 880-41605/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41605/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41605/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22580-1 MS	B-1-1'-120822	Soluble	Solid	DI Leach	
880-22580-1 MSD	B-1-1'-120822	Soluble	Solid	DI Leach	
880-22580-11 MS	B-7-2'-12080922	Soluble	Solid	DI Leach	
880-22580-11 MSD	B-7-2'-12080922	Soluble	Solid	DI Leach	

Analysis Batch: 41692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Soluble	Solid	300.0	41605
880-22580-2	B-2-1'-120822	Soluble	Solid	300.0	41605
880-22580-3	B-3-1'-120822	Soluble	Solid	300.0	41605
880-22580-4	B-4-1'-120822	Soluble	Solid	300.0	41605
880-22580-5	B-5-1'-120822	Soluble	Solid	300.0	41605
880-22580-6	SW-1-0.5'-120822	Soluble	Solid	300.0	41605
880-22580-7	SW-2-0.5'-120822	Soluble	Solid	300.0	41605
880-22580-8	SW-3-0.5'-120822	Soluble	Solid	300.0	41605
880-22580-9	SW-4-0.5'-120822	Soluble	Solid	300.0	41605
880-22580-10	B-6-2'-12080922	Soluble	Solid	300.0	41605
880-22580-11	B-7-2'-12080922	Soluble	Solid	300.0	41605
880-22580-12	B-8-2'-12080922	Soluble	Solid	300.0	41605
880-22580-13	B-9-2'-12080922	Soluble	Solid	300.0	41605
880-22580-14	B-10-2'-12080922	Soluble	Solid	300.0	41605
880-22580-15	SW-5-1'-120922	Soluble	Solid	300.0	41605
880-22580-16	SW-6-1'-120922	Soluble	Solid	300.0	41605
880-22580-17	SW-7-1'-120922	Soluble	Solid	300.0	41605
880-22580-18	SW-8-1'-120922	Soluble	Solid	300.0	41605
MB 880-41605/1-A	Method Blank	Soluble	Solid	300.0	41605
LCS 880-41605/2-A	Lab Control Sample	Soluble	Solid	300.0	41605
LCSD 880-41605/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41605
880-22580-1 MS	B-1-1'-120822	Soluble	Solid	300.0	41605
880-22580-1 MSD	B-1-1'-120822	Soluble	Solid	300.0	41605

Eurofins Midland

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 41692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-11 MS	B-7-2'-12080922	Soluble	Solid	300.0	41605
880-22580-11 MSD	B-7-2'-12080922	Soluble	Solid	300.0	41605

General Chemistry

Analysis Batch: 41636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22580-1	B-1-1'-120822	Total/NA	Solid	D2216	
880-22580-2	B-2-1'-120822	Total/NA	Solid	D2216	
880-22580-3	B-3-1'-120822	Total/NA	Solid	D2216	
880-22580-4	B-4-1'-120822	Total/NA	Solid	D2216	
880-22580-5	B-5-1'-120822	Total/NA	Solid	D2216	
880-22580-6	SW-1-0.5'-120822	Total/NA	Solid	D2216	
880-22580-7	SW-2-0.5'-120822	Total/NA	Solid	D2216	
880-22580-8	SW-3-0.5'-120822	Total/NA	Solid	D2216	
880-22580-9	SW-4-0.5'-120822	Total/NA	Solid	D2216	
880-22580-10	B-6-2'-12080922	Total/NA	Solid	D2216	
880-22580-11	B-7-2'-12080922	Total/NA	Solid	D2216	
880-22580-12	B-8-2'-12080922	Total/NA	Solid	D2216	
880-22580-13	B-9-2'-12080922	Total/NA	Solid	D2216	
880-22580-14	B-10-2'-12080922	Total/NA	Solid	D2216	
880-22580-15	SW-5-1'-120922	Total/NA	Solid	D2216	
880-22580-16	SW-6-1'-120922	Total/NA	Solid	D2216	
880-22580-17	SW-7-1'-120922	Total/NA	Solid	D2216	
880-22580-18	SW-8-1'-120922	Total/NA	Solid	D2216	
MB 880-41636/1	Method Blank	Total/NA	Solid	D2216	
880-22580-1 DU	B-1-1'-120822	Total/NA	Solid	D2216	
880-22580-11 DU	B-7-2'-12080922	Total/NA	Solid	D2216	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-1-1'-120822

Lab Sample ID: 880-22580-1

Date Collected: 12/08/22 10:30

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-1-1'-120822

Lab Sample ID: 880-22580-1

Date Collected: 12/08/22 10:30

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	42379	12/21/22 09:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42368	12/22/22 21:27	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 12:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/13/22 23:37	CH	EET MID

Client Sample ID: B-2-1'-120822

Lab Sample ID: 880-22580-2

Date Collected: 12/08/22 10:35

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-2-1'-120822

Lab Sample ID: 880-22580-2

Date Collected: 12/08/22 10:35

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 23:13	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 13:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/13/22 23:59	CH	EET MID

Client Sample ID: B-3-1'-120822

Lab Sample ID: 880-22580-3

Date Collected: 12/08/22 10:40

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-3-1'-120822

Lab Sample ID: 880-22580-3

Date Collected: 12/08/22 10:40

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.96 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 23:34	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.02 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 13:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 00:06	CH	EET MID

Client Sample ID: B-4-1'-120822

Lab Sample ID: 880-22580-4

Date Collected: 12/08/22 10:45

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-4-1'-120822

Lab Sample ID: 880-22580-4

Date Collected: 12/08/22 10:45

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/22/22 23:55	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.03 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 13:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 00:13	CH	EET MID

Client Sample ID: B-5-1'-120822

Lab Sample ID: 880-22580-5

Date Collected: 12/08/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-5-1'-120822

Lab Sample ID: 880-22580-5

Date Collected: 12/08/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 00:15	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 14:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-5-1'-120822

Lab Sample ID: 880-22580-5

Date Collected: 12/08/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 00:20	CH	EET MID

Client Sample ID: SW-1-0.5'-120822

Lab Sample ID: 880-22580-6

Date Collected: 12/08/22 10:55

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: SW-1-0.5'-120822

Lab Sample ID: 880-22580-6

Date Collected: 12/08/22 10:55

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 00:36	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.04 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 17:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 00:42	CH	EET MID

Client Sample ID: SW-2-0.5'-120822

Lab Sample ID: 880-22580-7

Date Collected: 12/08/22 11:00

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: SW-2-0.5'-120822

Lab Sample ID: 880-22580-7

Date Collected: 12/08/22 11:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 00:57	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 17:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 00:49	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-3-0.5'-120822

Lab Sample ID: 880-22580-8

Date Collected: 12/09/22 09:50

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: SW-3-0.5'-120822

Lab Sample ID: 880-22580-8

Date Collected: 12/09/22 09:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 01:18	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 18:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 00:57	CH	EET MID

Client Sample ID: SW-4-0.5'-120822

Lab Sample ID: 880-22580-9

Date Collected: 12/09/22 10:00

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: SW-4-0.5'-120822

Lab Sample ID: 880-22580-9

Date Collected: 12/09/22 10:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 01:38	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 18:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 01:04	CH	EET MID

Client Sample ID: B-6-2'-12080922

Lab Sample ID: 880-22580-10

Date Collected: 12/09/22 10:30

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-6-2'-12080922

Lab Sample ID: 880-22580-10

Date Collected: 12/09/22 10:30

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 01:59	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.02 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 18:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 01:11	CH	EET MID

Client Sample ID: B-7-2'-12080922

Lab Sample ID: 880-22580-11

Date Collected: 12/09/22 10:40

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-7-2'-12080922

Lab Sample ID: 880-22580-11

Date Collected: 12/09/22 10:40

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 02:20	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.03 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 19:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 01:18	CH	EET MID

Client Sample ID: B-8-2'-12080922

Lab Sample ID: 880-22580-12

Date Collected: 12/09/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-8-2'-12080922

Lab Sample ID: 880-22580-12

Date Collected: 12/09/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 03:44	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 19:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: B-8-2'-12080922

Lab Sample ID: 880-22580-12

Date Collected: 12/09/22 10:50

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 01:40	CH	EET MID

Client Sample ID: B-9-2'-12080922

Lab Sample ID: 880-22580-13

Date Collected: 12/09/22 11:00

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-9-2'-12080922

Lab Sample ID: 880-22580-13

Date Collected: 12/09/22 11:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 04:05	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.02 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 20:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 01:47	CH	EET MID

Client Sample ID: B-10-2'-12080922

Lab Sample ID: 880-22580-14

Date Collected: 12/09/22 11:10

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: B-10-2'-12080922

Lab Sample ID: 880-22580-14

Date Collected: 12/09/22 11:10

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 04:25	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.03 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 20:35	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 02:09	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-5-1'-120922

Lab Sample ID: 880-22580-15

Date Collected: 12/09/22 12:00

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: SW-5-1'-120922

Lab Sample ID: 880-22580-15

Date Collected: 12/09/22 12:00

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 04:46	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 20:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 02:16	CH	EET MID

Client Sample ID: SW-6-1'-120922

Lab Sample ID: 880-22580-16

Date Collected: 12/09/22 12:10

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:46	KS	EET MID

Client Sample ID: SW-6-1'-120922

Lab Sample ID: 880-22580-16

Date Collected: 12/09/22 12:10

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 05:07	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 21:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 02:24	CH	EET MID

Client Sample ID: SW-7-1'-120922

Lab Sample ID: 880-22580-17

Date Collected: 12/09/22 12:20

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:47	KS	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Client Sample ID: SW-7-1'-120922

Lab Sample ID: 880-22580-17

Date Collected: 12/09/22 12:20

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 05:28	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.02 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 21:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 02:31	CH	EET MID

Client Sample ID: SW-8-1'-120922

Lab Sample ID: 880-22580-18

Date Collected: 12/09/22 12:30

Matrix: Solid

Date Received: 12/12/22 08:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TX 1005		1			42165	12/19/22 11:54	SM	EET MID
Total/NA	Analysis	D2216		1			41636	12/12/22 12:47	KS	EET MID

Client Sample ID: SW-8-1'-120922

Lab Sample ID: 880-22580-18

Date Collected: 12/09/22 12:30

Matrix: Solid

Date Received: 12/12/22 08:42

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	42420	12/21/22 12:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42466	12/23/22 05:48	MNR	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.04 g	10 mL	41722	12/13/22 10:20	DM	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	42082	12/17/22 21:57	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41605	12/12/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41692	12/14/22 02:38	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
D2216		Solid	Percent Solids

- 1
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Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
D2216	Percent Moisture	ASTM	EET MID
5030B	Purge and Trap	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	EET MID

Protocol References:

ASTM = ASTM International

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

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

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-22580-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22580-1	B-1-1'-120822	Solid	12/08/22 10:30	12/12/22 08:42
880-22580-2	B-2-1'-120822	Solid	12/08/22 10:35	12/12/22 08:42
880-22580-3	B-3-1'-120822	Solid	12/08/22 10:40	12/12/22 08:42
880-22580-4	B-4-1'-120822	Solid	12/08/22 10:45	12/12/22 08:42
880-22580-5	B-5-1'-120822	Solid	12/08/22 10:50	12/12/22 08:42
880-22580-6	SW-1-0.5'-120822	Solid	12/08/22 10:55	12/12/22 08:42
880-22580-7	SW-2-0.5'-120822	Solid	12/08/22 11:00	12/12/22 08:42
880-22580-8	SW-3-0.5'-120822	Solid	12/09/22 09:50	12/12/22 08:42
880-22580-9	SW-4-0.5'-120822	Solid	12/09/22 10:00	12/12/22 08:42
880-22580-10	B-6-2'-12080922	Solid	12/09/22 10:30	12/12/22 08:42
880-22580-11	B-7-2'-12080922	Solid	12/09/22 10:40	12/12/22 08:42
880-22580-12	B-8-2'-12080922	Solid	12/09/22 10:50	12/12/22 08:42
880-22580-13	B-9-2'-12080922	Solid	12/09/22 11:00	12/12/22 08:42
880-22580-14	B-10-2'-12080922	Solid	12/09/22 11:10	12/12/22 08:42
880-22580-15	SW-5-1'-120922	Solid	12/09/22 12:00	12/12/22 08:42
880-22580-16	SW-6-1'-120922	Solid	12/09/22 12:10	12/12/22 08:42
880-22580-17	SW-7-1'-120922	Solid	12/09/22 12:20	12/12/22 08:42
880-22580-18	SW-8-1'-120922	Solid	12/09/22 12:30	12/12/22 08:42

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-22580-1

SDG Number: Eddy County

Login Number: 22580

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 2/5/2023 9:28:01 AM

JOB DESCRIPTION

Scout State com 605
SDG NUMBER Eddy County, NM

JOB NUMBER

880-24088-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization



Generated
2/5/2023 9:28:01 AM

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Laboratory Job ID: 880-24088-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Job ID: 880-24088-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-24088-1
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Receipt

The sample was received on 1/25/2023 11:42 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SW-1A-0-0.5'-012423 (880-24088-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45356 and analytical batch 880-45309 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-45338 and analytical batch 880-45443 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

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

General Chemistry

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

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Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Client Sample ID: SW-1A-0-0.5'-012423

Lab Sample ID: 880-24088-1

Date Collected: 01/24/23 13:00

Matrix: Solid

Date Received: 01/25/23 11:42

Percent Solids: 91.7

Sample Depth: 0-6"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000421	U F1 F2	0.00219	0.000421	mg/Kg	☼	02/03/23 10:58	02/03/23 23:20	1
Toluene	<0.000498	U F1 F2	0.00219	0.000498	mg/Kg	☼	02/03/23 10:58	02/03/23 23:20	1
Ethylbenzene	<0.000617	U F1	0.00219	0.000617	mg/Kg	☼	02/03/23 10:58	02/03/23 23:20	1
m-Xylene & p-Xylene	<0.00110	U F1 F2	0.00437	0.00110	mg/Kg	☼	02/03/23 10:58	02/03/23 23:20	1
o-Xylene	<0.000376	U F1 F2	0.00219	0.000376	mg/Kg	☼	02/03/23 10:58	02/03/23 23:20	1
Xylenes, Total	<0.00110	U F1 F2	0.00437	0.00110	mg/Kg	☼	02/03/23 10:58	02/03/23 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/03/23 10:58	02/03/23 23:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/03/23 10:58	02/03/23 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	31.3	J	54.5	16.3	mg/Kg			02/05/23 09:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.3	J B	54.5	16.3	mg/Kg	☼	02/03/23 09:29	02/05/23 03:27	1
Diesel Range Organics (Over C10-C28)	<16.3	U	54.5	16.3	mg/Kg	☼	02/03/23 09:29	02/05/23 03:27	1
Oil Range Organics (Over C28-C36)	<16.3	U	54.5	16.3	mg/Kg	☼	02/03/23 09:29	02/05/23 03:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	02/03/23 09:29	02/05/23 03:27	1
o-Terphenyl	77		70 - 130	02/03/23 09:29	02/05/23 03:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.3		4.99	0.394	mg/Kg			01/25/23 17:26	1

Eurofins Midland

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-24088-1	SW-1A-0-0.5'-012423	116	92
880-24088-1 MS	SW-1A-0-0.5'-012423	91	81
880-24088-1 MSD	SW-1A-0-0.5'-012423	124	103
LCS 880-45356/1-A	Lab Control Sample	113	98
LCSD 880-45356/2-A	Lab Control Sample Dup	122	79
MB 880-45339/5-A	Method Blank	75	93
MB 880-45356/5-A	Method Blank	74	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24088-1	SW-1A-0-0.5'-012423	82	77
LCS 880-45338/2-A	Lab Control Sample	115	99
LCSD 880-45338/3-A	Lab Control Sample Dup	114	98
MB 880-45338/1-A	Method Blank	109	108
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45339/5-A

Matrix: Solid

Analysis Batch: 45309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/03/23 09:50	02/03/23 12:24	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 09:50	02/03/23 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	02/03/23 09:50	02/03/23 12:24	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/03/23 09:50	02/03/23 12:24	1

Lab Sample ID: MB 880-45356/5-A

Matrix: Solid

Analysis Batch: 45309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/03/23 10:58	02/03/23 22:58	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/03/23 10:58	02/03/23 22:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	02/03/23 10:58	02/03/23 22:58	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/03/23 10:58	02/03/23 22:58	1

Lab Sample ID: LCS 880-45356/1-A

Matrix: Solid

Analysis Batch: 45309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09651		mg/Kg		97	70 - 130
Toluene	0.100	0.09930		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2233		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1177		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-45356/2-A

Matrix: Solid

Analysis Batch: 45309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45356

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09073		mg/Kg		91	70 - 130	6	35

Eurofins Midland

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-45356/2-A

Matrix: Solid

Analysis Batch: 45309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45356

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1048		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.1139		mg/Kg		114	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2504		mg/Kg		125	70 - 130	11	35
o-Xylene	0.100	0.1227		mg/Kg		123	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-24088-1 MS

Matrix: Solid

Analysis Batch: 45309

Client Sample ID: SW-1A-0-0.5'-012423

Prep Type: Total/NA

Prep Batch: 45356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000421	U F1 F2	0.109	0.04901	F1	mg/Kg	✱	45	70 - 130
Toluene	<0.000498	U F1 F2	0.109	0.05999	F1	mg/Kg	✱	55	70 - 130
Ethylbenzene	<0.000617	U F1	0.109	0.07190	F1	mg/Kg	✱	66	70 - 130
m-Xylene & p-Xylene	<0.00110	U F1 F2	0.217	0.1205	F1	mg/Kg	✱	55	70 - 130
o-Xylene	<0.000376	U F1 F2	0.109	0.06026	F1	mg/Kg	✱	55	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-24088-1 MSD

Matrix: Solid

Analysis Batch: 45309

Client Sample ID: SW-1A-0-0.5'-012423

Prep Type: Total/NA

Prep Batch: 45356

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000421	U F1 F2	0.108	0.08398	F2	mg/Kg	✱	78	70 - 130	53	35
Toluene	<0.000498	U F1 F2	0.108	0.09124	F2	mg/Kg	✱	84	70 - 130	41	35
Ethylbenzene	<0.000617	U F1	0.108	0.1001		mg/Kg	✱	93	70 - 130	33	35
m-Xylene & p-Xylene	<0.00110	U F1 F2	0.216	0.2163	F2	mg/Kg	✱	100	70 - 130	57	35
o-Xylene	<0.000376	U F1 F2	0.108	0.1113	F2	mg/Kg	✱	103	70 - 130	60	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-45338/1-A

Matrix: Solid

Analysis Batch: 45443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.33	J	49.9	15.0	mg/Kg		02/03/23 09:29	02/04/23 20:13	1

Eurofins Midland

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-45338/1-A

Matrix: Solid

Analysis Batch: 45443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/04/23 20:13	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/03/23 09:29	02/04/23 20:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				02/03/23 09:29	02/04/23 20:13	1
o-Terphenyl	108		70 - 130				02/03/23 09:29	02/04/23 20:13	1

Lab Sample ID: LCS 880-45338/2-A

Matrix: Solid

Analysis Batch: 45443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	970.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	999	939.7		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	115		70 - 130				
o-Terphenyl	99		70 - 130				

Lab Sample ID: LCSD 880-45338/3-A

Matrix: Solid

Analysis Batch: 45443

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45338

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	874.8		mg/Kg		88	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	999	931.5		mg/Kg		93	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	114		70 - 130						
o-Terphenyl	98		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44664/1-A

Matrix: Solid

Analysis Batch: 44719

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			01/25/23 12:00	1

Eurofins Midland

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-44664/2-A

Matrix: Solid

Analysis Batch: 44719

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.3		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-44664/3-A

Matrix: Solid

Analysis Batch: 44719

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.6		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 45309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Total/NA	Solid	8021B	45356
MB 880-45339/5-A	Method Blank	Total/NA	Solid	8021B	45339
MB 880-45356/5-A	Method Blank	Total/NA	Solid	8021B	45356
LCS 880-45356/1-A	Lab Control Sample	Total/NA	Solid	8021B	45356
LCSD 880-45356/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45356
880-24088-1 MS	SW-1A-0-0.5'-012423	Total/NA	Solid	8021B	45356
880-24088-1 MSD	SW-1A-0-0.5'-012423	Total/NA	Solid	8021B	45356

Prep Batch: 45339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45339/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 45356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Total/NA	Solid	5030B	
MB 880-45356/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-45356/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-45356/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-24088-1 MS	SW-1A-0-0.5'-012423	Total/NA	Solid	5030B	
880-24088-1 MSD	SW-1A-0-0.5'-012423	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 45338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Total/NA	Solid	8015NM Prep	
MB 880-45338/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45338/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45338/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Total/NA	Solid	8015B NM	45338
MB 880-45338/1-A	Method Blank	Total/NA	Solid	8015B NM	45338
LCS 880-45338/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45338
LCSD 880-45338/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45338

Analysis Batch: 45508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Soluble	Solid	DI Leach	
MB 880-44664/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44664/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44664/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

HPLC/IC

Analysis Batch: 44719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Soluble	Solid	300.0	44664
MB 880-44664/1-A	Method Blank	Soluble	Solid	300.0	44664
LCS 880-44664/2-A	Lab Control Sample	Soluble	Solid	300.0	44664
LCSD 880-44664/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44664

General Chemistry

Analysis Batch: 44863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24088-1	SW-1A-0-0.5'-012423	Total/NA	Solid	D2216	
MB 880-44863/1	Method Blank	Total/NA	Solid	D2216	
880-24088-1 DU	SW-1A-0-0.5'-012423	Total/NA	Solid	D2216	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Client Sample ID: SW-1A-0-0.5'-012423
Date Collected: 01/24/23 13:00
Date Received: 01/25/23 11:42

Lab Sample ID: 880-24088-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45508	02/05/23 09:31	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44664	01/25/23 17:00	KS	EET MID
Soluble	Analysis	300.0		1			44719	01/25/23 17:26	CH	EET MID
Total/NA	Analysis	D2216		1			44863	01/26/23 16:46	KS	EET MID

Client Sample ID: SW-1A-0-0.5'-012423
Date Collected: 01/24/23 13:00
Date Received: 01/25/23 11:42

Lab Sample ID: 880-24088-1
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	45356	02/03/23 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45309	02/03/23 23:20	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45338	02/03/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45443	02/05/23 03:27	AJ	EET MID

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

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
D2216		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	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
D2216	Percent Moisture	ASTM	EET MID
5030B	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.

Laboratory References:

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Scout State com 605

Job ID: 880-24088-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-24088-1	SW-1A-0-0.5'-012423	Solid	01/24/23 13:00	01/25/23 11:42	0-6"

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



Environment Test
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 24088

www.xenco.com Page 1 of 1

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

Project Manager: Scott Ford	Bill to: (if different)
Company Name: Arcadis	Company Name:
Address: 1004 N. 13th St	Address:
City, State ZIP: Midland, TX 79703	City, State ZIP:
Phone: 432-246-9547	Email: Justin.Mixon@Arcadis.com

ANALYSIS REQUEST	
Project Name: Scott State 605	Pres. Code:
Project Number: 30157530	
Project Location: Fiddly Canyon, NM	
Sampler's Name: Justin Mixon	
P.O. #: 30157530	
SAMPLE RECEIPT	
Samples Received Intact: Yes ☒ No ☐	Temp Blank: Yes ☒ No ☐
Cooler Custody Seals: Yes ☒ No ☐	Thermometer ID: 488
Sample Custody Seals: Yes ☒ No ☐	Correction Factor: -0.30
Total Containers: 2	Temperature Reading: 2.4
	Corrected Temperature: 2.1

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
SW-1A-07-01423	S	7-24-23	1300		C	1	800-037-280, 80215, 8015, 25906	
SW-1A-0-05'-012423	S	12-23	1300	06"	C	1		

Preservative Codes	
None	NO
Cool	Cool
HCL	HC
H ₂ SO ₄	H ₂
H ₃ PO ₄	HP
NaHSO ₄	NABIS
Na ₂ S ₂ O ₃	NaSO ₃
Zn Acetate	+NaOH Zn
NaOH+Ascorbic Acid	SAPC

Sample Comments	
402	

Barcode	
880-24088 Chain of Custody	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	
Relinquished by: (Signature)	Received by: (Signature)
1	2
3	4
5	6

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-24088-1
SDG Number: Eddy County, NM

Login Number: 24088

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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Houston
Texas 77042
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Fax: 713 977 4620
www.arcadis.com

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 209405

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 209405
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/21/2023