

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>Battani Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form						
Facility Name & Number:		Graham Cracker 2 State #1H				
Asset Area:		DBW				
Release Discovery Date & Time:		7/9/2022				
Release Type:		Produced Water				
Provide any known details about the event:		White Poly line had leak				
Spill Calculation - Subsurface Spill - Rectangle						
Was the release on pad or off-pad?		See reference table below				
Has it rained at least a half inch in the last 24 hours?		See reference table below				
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	180.0	10.0	2.00	13.63%	53.400	7.278
Rectangle B	30.0	6.0	0.50	13.63%	1.335	0.182
Rectangle C	30.0	30.0	0.50	13.63%	6.675	0.910
Rectangle D	90.0	3.0	0.50	13.63%	2.003	0.273
Rectangle E					0.000	0.000
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000
Total Volume Release:						8.643



COG (ConocoPhillips)

2024 Soil Deferral Request Report

Graham Cracker 2 State Com 001H

Incident # NAPP2220644089

May 2024

2024 Soil Deferral Request Report

2024 Soil Deferral Request Report

Graham Cracker 2 State Com 001H
Incident # NAPP2220644089

May 2024

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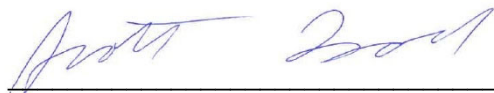
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Graham Cracker 2 State Com 001H Soil deferral Report_jn_sf final

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Appendices

Appendix A. Initial C-141 Form Incident # NAPP2220644089

Appendix B. Site Characterization

Appendix C. Work Plan

Appendix D. Cultural Resource Inventory Cover Page

Appendix E. Laboratory Analytical Reports

2024 Soil Deferral Request Report

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Soil Deferral Request Report (Report), on behalf of Concho Operating, LLC (COG – now ConocoPhillips), for the release site known as the Graham Cracker 2 State Com 001H (Site). Details of the release are summarized in the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form included as **Appendix A**.

2 Project Summary

The Site is located on state land approximately 17-miles southwest of the City of Malaga in Unit M, Section 03, Township 26 South, Range 28 East, Eddy County, New Mexico. The Site is located within a medium karst area. A Site Location Map is included as **Figure 1**.

2.1 Incident # NAPP2220644089

According to the Initial C-141 Form, on July 9, 2022, a hole in a flow line due to corrosion caused the release. The leak resulted in the release of approximately 15.882 barrels (bbls) of produced water to ground surface at the Site with zero bbls recovered. The Initial C-141 Form was submitted to the NMOCD on February 24, 2022 and assigned Incident ID number NAPP2220644089. The Initial C-141 Form is included as **Appendix A**.

3 Site Characterization

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

- A continuously flowing watercourse or any other significant watercourse: Between 1/2 and 1 mile
- Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark): Between 1 and 5 miles
- An occupied permanent residence, school, hospital, institution, or church: > 5 miles
- A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes: > 5 miles
- Any other fresh water well or spring: Between 1/2 and 1 mile
- Incorporated municipal boundaries or a defined municipal fresh water well field: > 5 miles
- A wetland: Between 500 feet and 1 mile
- A subsurface mine: > 5 miles
- A (non-karst) unstable area: > 5 miles
- Categorize the risk of this well/site being in Karst Geology: Medium
- A 100-year floodplain: Between 1/2 and 1 mile
- Did the release impact areas not on an exploration, development, production, or storage site? Yes

Site Characterization is included in **Appendix B**.

Soil assessment activities were performed at the Site from July to September 2022 by Carmona resources, LLC (CRLLC) to determine the horizontal and vertical extent of the release area.

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After a review of the New Mexico Office of State Engineers (NMOSE) and United States Geological Survey (USGS) databases, there are no known water sources within a 0.5-mile radius of the Site. Arcadis contracted Scarborough Drilling to install an exploratory borehole to determine if depth to water (dtw) is greater than 100 feet below ground surface (bgs) as indicated by other water wells installed in the region. The exploratory boring was installed on March 21, 2023, by Scarborough Drilling to a depth of 105.5 feet bgs. No groundwater was encountered during initial drilling activities. The borehole was left open for 72 hours. Arcadis gauged the exploratory boring again and confirmed the hole remained dry at 105.5 feet bgs. The borehole was plugged with bentonite grout following gauging activities. A depth to Groundwater map is shown in **Figure 2**.

The assessment activities associated analytical soil sample results, the groundwater determination boring, and the initial proposed remediation/reclamation activities for the impacted areas are detailed in the 2023 Work Plan submitted previously by Arcadis to the NMOCD (see **Appendix C**).

Arcadis began excavation activities at the Site in September 2023. Chloride concentrations in soil were determined during excavation activities to be below the applicable screening limit of 20,000 milligrams per kilogram (mg/Kg) for chloride at depths of approximately 4 feet bgs within the pasture area located north to west of the pad.

4 Closure Criteria for Soils Impacted by a Release

The NMOCD classifies the Site to use the least stringent regulatory limits due to depth to groundwater being greater than 100 feet bgs. Per Table I of NMAC part 19.15.29.12, the following closure criteria apply to a Site with depth to ground water greater than 100 feet bgs:

Constituent	Limit (mg/Kg)
Chloride	20,000 mg/Kg
Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO) Diesel Range Organics (DRO) and Oil Range Organics (ORO)	2,500 mg/Kg
Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO) and Diesel Range Organics (DRO)	1,000 mg/Kg
Benzene, Toluene, Ethylbenzene, and Xylenes (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. A Cultural Resource Inventory (CRI) was

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completed in compliance with the New Mexico State Land Office (NMSLO) Cultural Properties Protection (CPP) Rule Prior to any excavation activities within undisturbed areas located off of the well pad at the Site by Paleo West, LLC DBA Chronicle Heritage on July 20, 2023. The CRI cover page is included in **Appendix D**.

Soil remediation activities were performed by Arcadis and Standard Safety Environmental (Standard) from September 12 through 26, 2023. Photo-ionization detector (PID) readings, chloride field screening with Hach field test strip results, and laboratory analytical results from the pre-remediation assessment activities were evaluated prior to and during remediation activities to determine the lateral and vertical extent of soil impacted by the release. Lateral 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 determined that the release covered an approximately 4,600 square foot (sq ft) area north of the tank battery on pad and west to north of the pad in the pasture. Soil analytical results are discussed in **Sections 5.3, 5.4, and 5.5**.

Excavation activities were conducted to a maximum depth of approximately 4 feet bgs in the pasture areas and ranged from 0.5 feet bgs to 1-foot bgs within the pad area. As detailed in the work plan, general housekeeping to the extent possible without risking human health and safety or performing major deconstruction of the active facility was performed for all pad locations. Approximately 540 cubic yards of impacted soil were excavated from the release area. The limits of the excavation are presented on **Figure 3**. Excavated soil was stockpiled on-site, adjacent to the release area on 20 millimeter (mil) thick 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. Standard transported a total of 27 truckloads of soil directly to the landfill on September 14 through 21, 2023. Copies of disposal manifests can be provided upon request. Photographic documentation of the excavation activities is attached in the **Photographic Log**.

5.2 Excavation Confirmation Sampling Activities

Arcadis personnel conducted excavation confirmation soil sampling activities on September 12 through 21, 2023 for laboratory analyses. Following excavation of the impacted area, confirmation soil samples were collected from the sidewalls and bottom of the excavation as needed to maintain an approximate 200 square foot sample spacing or less for both sidewalls and base of the excavated area. Base confirmation sample locations are depicted in **Figure 2** and excavation sidewall confirmation samples are depicted in **Figure 4**.

The soil confirmation soil samples were collected in 4-oz jars provided by Eurofins Xenco Analytical Laboratory (Eurofins) located in Midland, Texas, then placed on ice and shipped to Eurofins for analysis of chloride by United States Environmental Protection Agency (USEPA) Method 300; TPH by Method 8015 M for GRO, DRO, and ORO; and BTEX by USEPA Methods 8015/8021. Analytical results are shown in **Table 1**. Laboratory analytical reports are included in **Appendix E**.

5.3 Chloride

All soil samples collected within the top 4 feet of soil within the pasture areas were below the NMOCD reclamation limit of 600 mg/Kg. All soil samples collected within the excavated areas on pad were below the NMAC closure criteria of 20,000 mg/Kg.

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5.4 TPH

TPH concentrations were reported below the NMOCD reclamation limit of 100 mg/Kg at all sample locations for GRO, DRO, and ORO in all soil samples collected within the pasture areas at depths less than 4 feet bgs.

TPH concentrations were reported below the NMAC screening standard of 2,500 mg/Kg at all sample locations for GRO, DRO, and ORO and below 1,000 mg/kg for GRO and DRO combined in all soil samples collected at depths greater than 4 feet bgs or on the pad locations.

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 and surrounding pasture areas north and west of the pad. Excavated areas within the pasture area were topped with a topsoil similar to native the surrounding pasture material. The off pad disturbed areas will be reseeded during the first favorable growing season following in accordance with NMAC part 19.15.29.13 with an SLO approved seed mixture based on the following soil types: Reagan loam (31.4 %) - Alluvium and/or eolian deposits and Upton gravelly loam (68.6 %) - Residuum weathered from limestone at the Site.

7 Summary

Analytical results associated with recent remediation activities conducted in 2023 indicate that the horizontal and vertical extent of chloride, TPH, and BTEX impact in soil above NMAC screening standards for a site with depth the groundwater greater than 100 feet bgs have been delineated both horizontally and vertically and excavated within all accessible areas.

8 Deferral Request

Remediation activities were conducted in accordance with the NMOCD standards outlined in Table I of NMAC part 19.15.29.12 utilizing 200 square foot composite areas. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated from accessible areas 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 all remediated areas at the Site. Impacted soil currently remains in-situ above the NMOCD reclamation limit of 600 mg/Kg for chlorides within the inaccessible area for sidewalls: SW-1, SW-2, SW-6 and

2024 Soil Deferral Request Report

base samples B-1 through B-5. Sampling locations are adjacent to and underneath the steel and poly flowlines within the tank battery area and the pad.

Analytical results for soil samples collected indicate that chloride impact to soil is confined to surface and shallow soil only within the release area. The remaining in-situ impacted area is fully delineated and further excavation would pose a safety risk and require major facility deconstruction. Leaving the remaining impacted soil in-situ is not believed a risk to human health, the environment, or ground water. Analytical data collected during horizontal and vertical delineation activities is documented in the 2023 Work Plan submitted previously by Arcadis to the NMOCD (see **Appendix C**).

A deferral request for additional remediation of in-situ soil impacts measuring approximately 120 feet by 10 feet within the pad area northwest of SW-1 to SW-6, and 120 feet by 10 feet east of SW-2 totaling approximately 2,000 sq ft is requested at this time. This area will be remediated during site restoration activities that will be conducted following abandonment of this facility at a future date in accordance with Sections 19.15.29.12 and 19.15.29.13 NMAC. Current site conditions and the deferral request were discussed with Robert Hamlet of the NMOCD on May 15, 2024 at 10:50 AM. All parties agreed that the areas detailed above associated with the deferral request would be remediated to NMOCD reclamation standards following completion of facility abandonment activities. An Excavation Sidewall Soil Sample Locations and Deferral Map is depicted in **Figure 3**.

Based upon the findings presented in this report, no additional soil assessment activities are recommended at this time to further delineate the BTEX, TPH, and chloride impacts in soil at the Site. As such, Arcadis, on behalf of ConocoPhillips, respectfully requests deferral of Incident number NAPP2220644089 until the facility is abandoned and site reclamation activities are conducted.

Tables

Table 1
2023 Soil Analytical Results
Graham Cracker 2 State Com 001H
Incident #NAPP2220644089
COG (ConocoPhillips)

Sample ID	Date	Depth (ft)		BTEX Methods							TPH Methods				CI Method
				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylene & p-Xylene (mg/kg)	o-Xylene (mg/kg)	Xylenes, Total (mg/kg)	Total BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	ORO C28-C36 (mg/kg)	Total TPH (mg/kg)	Chloride, Dissolved (mg/kg)
B-1-S-6"-091223	09/12/2023	0.5		0.00568	0.000696J	0.000784J	<0.00100	<0.000342	<0.00100	0.00716	24.9J	147	<14.9	172	1380
B-2-S-6"-091223	09/12/2023	0.5		<0.000384	<0.000455	<0.000564	<0.00101	<0.000343	<0.00101	<0.00101	35.5J	106	<15.1	142	5390
B-3-S-1'-091223	09/12/2023	1		<0.000387	<0.000459	0.000674J	<0.00102	<0.000346	<0.00102	<0.00102	34.6J	29.4J	<15.0	64.0	2680
B-4-S-6"-091223	09/12/2023	0.5		<0.000386	<0.000457	<0.000566	<0.00101	<0.000345	<0.00101	<0.00101	26.5J	19.3J	<14.9	45.8J	1400
B-5-S-6"-091223	09/12/2023	0.5		<0.000383	<0.000454	<0.000563	<0.00101	<0.000343	<0.00101	<0.00101	22.0J	117	<14.9	139	2830
B-6-S-4'-091423	09/14/2023	4		<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	954
B-7-S-4'-091423	09/14/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	557
B-8-S-4'-091423	09/14/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	1830
B-9-S-4-091823	09/18/2023	4		<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.6	<49.6	<49.6	<49.6	2880
B-10-S-4-091823	09/18/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	118
B-11-S-4-091823	09/18/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.4	<50.4	<50.4	<50.4	71.4
B-12-S-4-091823	09/18/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	2660
B-13-S-4-091823	09/18/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.5	<50.5	<50.5	<50.5	1690
B-14-S-4'-092123	09/21/2023	4		<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	1450
B-15-S-4'-092123	09/21/2023	4		<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.3	<50.3	<50.3	<50.3	1730
B-16-S-4'-092123	09/21/2023	4		<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.5	<50.5	<50.5	<50.5	2300
B-17-S-4'-092123	09/21/2023	4		<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	462
B-18-S-4'-092123	09/21/2023	4		<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.8	<49.8	<49.8	<49.8	1210
B-19-S-4'-092123	09/21/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.1	<50.1	<50.1	<50.1	1190
SW-1-S-4'-091423	09/14/2023	4		<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397	<50.4	<50.4	<50.4	<50.4	4810
SW-2-S-4'-091423	09/14/2023	4		<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	813F1
SW-3-S-0-4-091823	09/18/2023	4		<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.3	<50.3	<50.3	<50.3	72.1
SW-4-S-0-4-091823	09/18/2023	4		<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	75.5
SW-5-S-0-4-091823	09/18/2023	4		<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<49.7	<49.7	<49.7	<49.7	168
SW-6-S-0-4-091823	09/18/2023	4		<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	2300
SW-7-S-0-4'-092023	09/20/2023	4		<0.000382	<0.000452	<0.000561	<0.00100	<0.000341	<0.00100	<0.00100	19.4J *- *1	<15.0	<15.0	19.4J	53.6
SW-8-S-0-4'-092023	09/20/2023	4		<0.000383	<0.000454	<0.000563	<0.00101	<0.000343	<0.00101	<0.00101	23.0J B	61.7	<15.0	84.7	36.4
SW-9-S-0-4'-092023	09/20/2023	4		<0.000381	<0.000451	<0.000559	<0.00100	<0.000341	<0.00100	<0.00100	29.7J B	57.8	<15.1	87.5	142
NMOCD Reclamation Standard				10	--	--	--	--	--	50	--	--	--	100	600
NMOCD Closure Criteria				10	--	--	--	--	--	50	--	--	--	2,500	20,000

Legend:

Analytes exceeding NMAC standards are indicated in **bold**

'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)

mg/kg: Milligram per Kilogram

BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes

NMAC : New Mexico Administration Code

TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics

TPH ORO: Total Petroleum Hydrocarbons Oil Range Organics

" " " : Indicates one foot

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

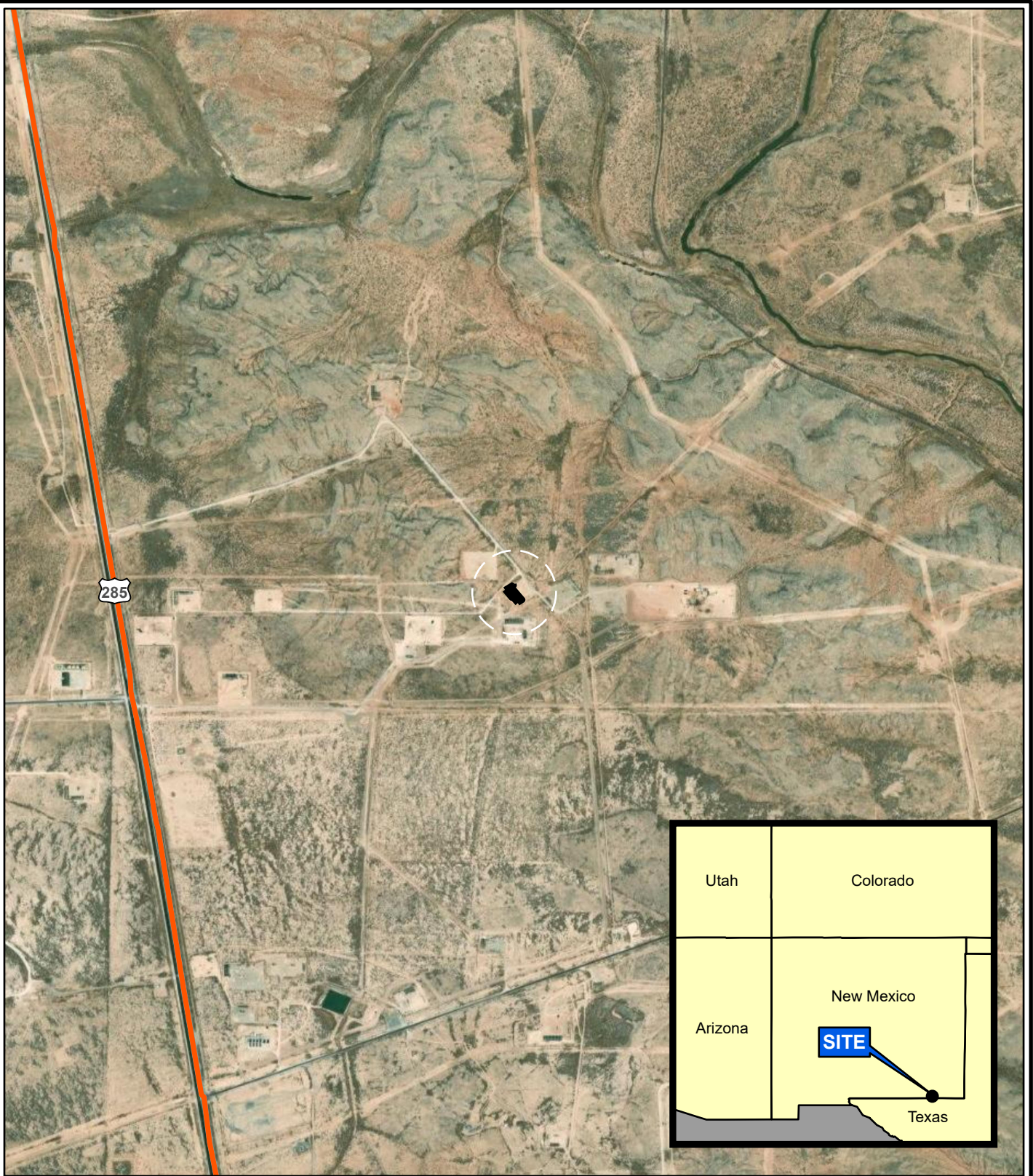
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)

NMOCD: New Mexico Oil Conservation Division

--: No individual standard

Figures

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
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Legend

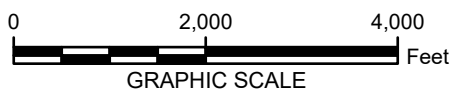
— Site Location

NOTES:

Datum: D_WGS_1984

Source: Bing Map

Site Location: 32.065445°, -104.050353°



GRAPHIC SCALE

COG (CONOCOPHILLIPS)
GRAHAM CRACKER 2 STATE COM 001H
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP



FIGURE
1

City: Houston Div/Group: Remediation West - Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
 T:\EHSS\ArcGIS Pro\Land\COG\NM\Graham Cracker\Graham Cracker.aprx 4/26/2023 6:38 PM



Legend



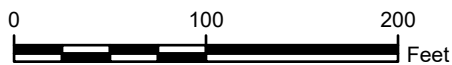
GWDB (Groundwater
Determination Boring)
105.51ft bgs

NOTES:

Datum: D_WGS_1984

Source: Bing Map

Site Location: 32.065445°, -104.050353°



GRAPHIC SCALE

COG (CONOCOPHILLIPS)
GRAHAM CRACKER 2 STATE COM 001H
EDDY COUNTY, NEW MEXICO

DEPTH TO GROUNDWATER MAP



FIGURE
2

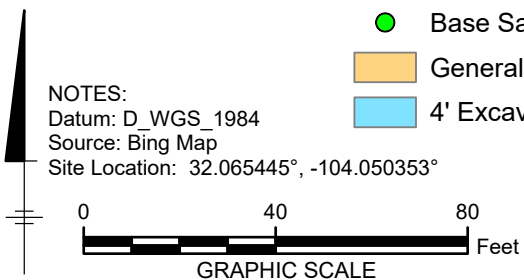
City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
 T:\EHSS\ArcGIS Pro\Land\COG\NM\Graham Cracker.aprx 11/7/2023 3:14 PM



Legend

- Base Sample
- General Housekeeping
- 4' Excavation

NOTES:
 Datum: D_WGS_1984
 Source: Bing Map
 Site Location: 32.065445°, -104.050353°



COG (CONOCOPHILLIPS)
 GRAHAM CRACKER 2 STATE COM 001H
 EDDY COUNTY, NEW MEXICO

EXCAVATION BASE SOIL SAMPLE LOCATIONS



FIGURE
3

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry : Client (Project #)
T:\EHSS\ArcGIS Pro\Land\COG COP\NM\Graham Cracker.aprx 5/16/2024 3:13 PM



Photographic Logs



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 1	Date: 09/21/2022		
Direction Photo Taken: NW 32.065208, -104.050734			
Description: North excavation area in pasture			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 2	Date: 09/21/2022		
Direction Photo Taken: W 32.065208, -104.050734			
Description: General house keeping at S5/T4 area on pad			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 3	Date: 09/21/2022		
Direction Photo Taken: S 32.065208, -104.050734			
Description: W excavation area on pad and pasture			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 4	Date: 09/26/2022		
Direction Photo Taken: SE 32.065208, -104.050734			
Description: Pasture area backfilled N of pad			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 5	Date: 09/26/2022		
Direction Photo Taken: S 32.065208, -104.050734			
Description: Pasture and pad area backfilled W of tank battery			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 6	Date: 09/23/2022		
Direction Photo Taken: NE 32.065208, -104.050734			
Description: Pasture and pad area backfilled W of tank battery			

Appendix A

Initial C-141 Form Incident #NAPP2205935207

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	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 796-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2220644089
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.065 Longitude -104.081
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Graham Cracker 2 State Com 001H	Site Type	Flow Line
Date Release Discovered	July 9, 2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
M	03	26S	28E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 15.882	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a hole in a flow line due to corrosion.
The release was off pad. A vacuum truck was dispatched to remove all freestanding fluids.
Evaluation will be made at the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Incident ID	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
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	Brittany N. Esparza
Signature: 	Title: Environmental Technician
email: Brittany.Esparza@ConocoPhillips.com	Date: 7/22/2022
	Telephone: (432) 221-0398
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form						
Facility Name & Number:		Graham Cracker 2 State #1H				
Asset Area:		DBW				
Release Discovery Date & Time:		7/9/2022				
Release Type:		Produced Water				
Provide any known details about the event:		White Poly line had leak				
Spill Calculation - Subsurface Spill - Rectangle						
Was the release on pad or off-pad?		See reference table below				
Has it rained at least a half inch in the last 24 hours?		See reference table below				
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	180.0	10.0	2.00	13.63%	53.400	7.278
Rectangle B	30.0	6.0	0.50	13.63%	1.335	0.182
Rectangle C	30.0	30.0	0.50	13.63%	6.675	0.910
Rectangle D	90.0	3.0	0.50	13.63%	2.003	0.273
Rectangle E					0.000	0.000
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000
Total Volume Release:						8.643

Incident ID	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
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?	105.51 (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
--

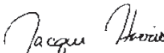
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
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: Jacqui Harris Title: Sr. Environmental Engineer

Signature:  Date: 10.6.22

email: jacqui.harris@conocophillips.com Telephone: 575-496-0780

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
Application ID	

Remediation Plan

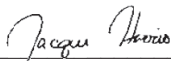
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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: Jacqui Harris Title: Sr. Environmental Engineer
Signature:  Date: 10.6.22
email: jacqui.harris@conocophillips.com Telephone: 575-496-0780

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Appendix B

Site Characterization



Legend

Permian Basin Karst Areas

Critical Karst Resource Area



Karst Occurrence Potential

Potential

- High
- Medium
- Low

OCD Districts

OCD District Offices



OCD Districts

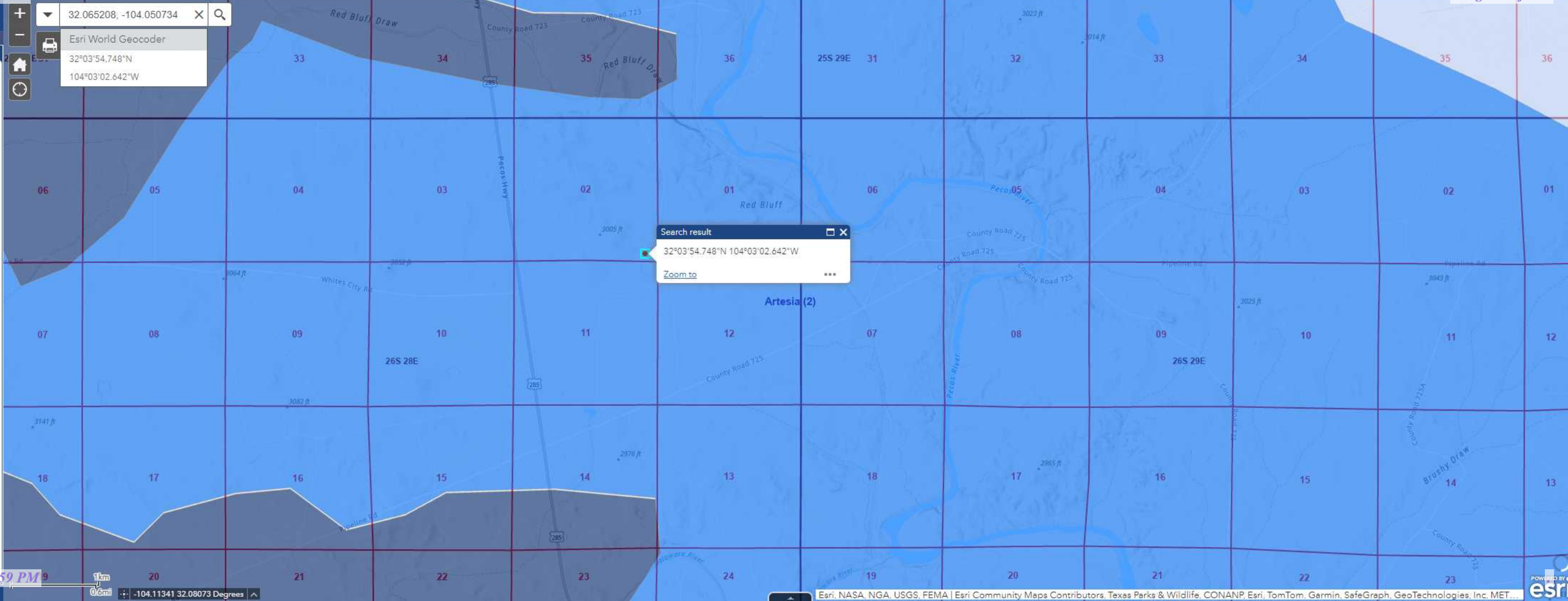


Public Land Survey System (PLSS)

PLSS Townships



PLSS First Division





Legend

Hydrology

NMED Drinking Water Systems



OSE Streams



OSE Probable Plays



OSW Water Bodies



OCD Districts

OCD District Offices



Map navigation controls including zoom in (+), zoom out (-), home, and a search bar with coordinates 32.065208, -104.050734. Below the search bar are icons for print, save, and share.

pecos hwy

285

pecos hwy

pecos hwy

0.2km
600ft

2987 ft

2994 ft

2976 ft

2959 ft

2972 ft

Red Bluff

3005 ft

2964 ft

2975 ft

2961 ft

2983 ft

2988 ft

2915 ft

County Road 725

Search result window showing coordinates 32°03'54.748"N 104°03'02.642"W and a Zoom to link.



Legend

Mineral and Surface Ownership

Land Ownership

- BLM
- BOR
- DOD
- DOE
- FS
- FWS
- I
- NPS
- P
- S
- SGF
- SP
- USDA
- VCNP

Mineral Ownership

minown

- A-All minerals are owned by U.S.
- C-Only coal is owned by the U.S.
- G-Only oil, gas and coal are owned by the U.S.
- N-No minerals are owned by the U.S.
- O-Only oil and gas are owned by the U.S.
- T-Other minerals are owned by the U.S.

OCD Districts

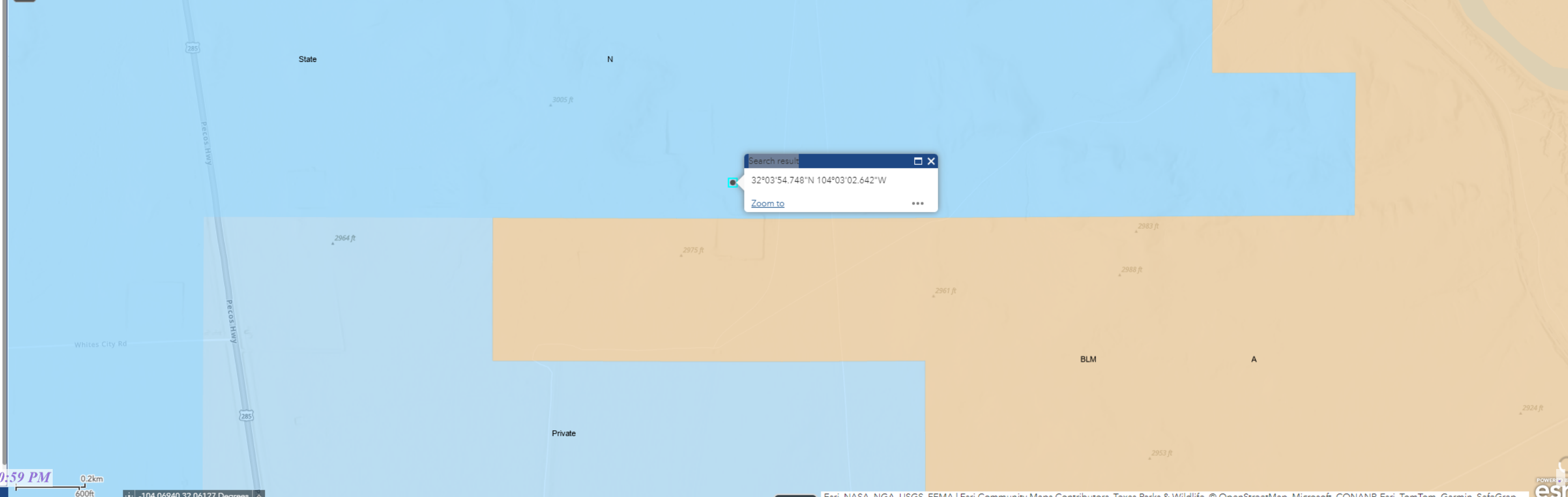
OCD District Offices

32.065208, -104.050734

Esri World Geocoder

32°03'54.748"N

104°03'02.642"W



Search result

32°03'54.748"N 104°03'02.642"W

[Zoom to](#)



Received by OCD: 5/30/2024 12:11:34 PM

+

-

🏠

🕒

32.065208, 104.050734

×

🔍

Show search results for 32.065208, 1...

🗺️

📄

🖨️

Search result

32°03'54.748"N 104°03'02.642"E

[Zoom to](#)

...

Legend

Effective FIRM Panels

GeoIndex

- No Digital Data Available
- Digital Data Available
- Unmapped

NFHL

NFHL Availability

- NFHL Data Available

Released to Imaging: 5/31/2024 2:20:59 PM

Appendix C

Work Plan



COG (ConocoPhillips)

2023 Work Plan

Graham Cracker 2 State Com 001H

Incident # NAPP2220644089

Eddy County, New Mexico

July 2023

2023 Work Plan

2023 Work Plan

Graham Cracker State 2 Com 001H

Incident # NAPP2220644089

Eddy County, New Mexico

July 2023

Prepared By:

Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620

Prepared For:

Ike Tavaréz
Project Manager
ConocoPhillips RM&R
600 W. Illinois Ave.
Midland, TX 79701

Our Ref:

30171547



Justin Nixon
Task Manager



Scott Foord, PG
Certified Project Manager

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www.arcadis.com

2023 Work Plan

Contents

1 Introduction..... 1

2 Project Summary 1

2.1 Incident # NAPP2220644089..... 1

3 Site Characterization 1

4 NMAC Regulatory Criteria 1

5 Site Assessment Activities..... 2

5.1 Initial Assessment 2

5.2 Subsequent Trenching Activities..... 2

6 Proposed Work Plan..... 3

7 Work Plan Approval Request 4

Tables

Table 1. 2022 Soil Analytical Results

Figures

Figure 1. Site Location Map

Figure 2. Topographic

Figure 3. Depth to Groundwater Map

Figure 4. Proposed Excavation and Sample Location Map

Photographic Logs

Log 1. 2022 Soil Assessment Photographic Log

Appendices

Appendix A. Initial C-141 Form Incident # NAPP2220644089 and Remediation Plan

Appendix B. Laboratory Analytical Reports

2023 Work Plan

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Work Plan, on behalf of Concho Operating, LLC (COG – now ConocoPhillips), for the release site known as the Graham Cracker 2 State Com 001H (Site). Details of the release are summarized in the New Mexico Oil Conservation Division (NMOCD) Initial C-141 Form included as **Appendix A**.

2 Project Summary

The Site is located on state land approximately 17-miles southwest of the City of Malaga in Unit M, Section 03, Township 26 South, Range 28 East, Eddy County, New Mexico. The site is located within a medium karst area. A Site Location Map is included as **Figure 1** and a Topographic Map as **Figure 2**.

2.1 Incident # NAPP2220644089

According to the Initial C-141 Form, on July 9, 2022, a hole in a flow line due to corrosion caused the release. The leak resulted in the release of approximately 15.882 barrels (bbls) of produced water to ground surface at the Site with zero bbls recovered. The Initial C-141 Form was submitted to the NMOCD on February 24, 2022 and assigned Incident ID number NAPP2220644089. The Initial C-141 Form is included as **Appendix A**.

3 Site Characterization

After a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there are no known water sources within a 0.5-mile radius of the Site. Arcadis contracted Scarborough Drilling to install an exploratory borehole to determine if depth to water (dtw) is greater than 100 feet below ground surface (bgs) as indicated by other water wells installed in the region. The exploratory boring was installed on March 21, 2023, by Scarborough Drilling to a depth of 105.5 feet bgs. No groundwater was encountered during initial drilling activities. The borehole was left open for 72 hours. Arcadis gauged the exploratory boring again and confirmed the hole remained dry at 105.5 feet bgs. The borehole was plugged with bentonite grout following gauging activities. The groundwater determination boring location is depicted in **Figure 3**.

4 NMAC Regulatory Criteria

The NMOCD classifies the Site to use the least stringent regulatory limits due to depth to groundwater being confirmed greater than 100 feet bgs, and no additional conditions or stipulations are applicable to the Site. Per Table I of New Mexico Administrative Code (NMAC) part 19.15.29.12, the following closure criteria apply to the Site:

2023 Work Plan

Constituent	Limit (mg/kg)
Chloride	20,000 mg/kg
Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Oil Range Organics (ORO)	2,500 mg/kg
GRO and DRO	1,000 mg/kg
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)	50 mg/kg
Benzene	10 mg/kg

5 Site Assessment Activities

5.1 Initial Assessment

On July 26, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of six (6) sample points and eight (8) horizontal samples were advanced to depths ranging from the surface to 4.5 feet bgs inside and surrounding the release area to evaluate the vertical and horizontal extents of the release. Soil sample locations are shown on **Figure 3**. Soil samples were collected for chemical analyses, 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 by Environmental Protection Agency (EPA) Method 8015; modified BTEX by EPA Method 8021B, and chloride by EPA method 300.0.

Vertical delineation was not achieved during the initial soil assessment due to the dense layer encountered. Soil sample analytical results are summarized in **Table 1**. Laboratory reports for soil samples collected during the initial site assessment, including analytical methods, results, and chain-of-custody documents, are attached in **Appendix B**.

5.2 Subsequent Trenching Activities

On September 22, 2022, Carmona Resources, LLC performed trenching activities to evaluate soil impacts stemming from the release. A total of five trenches were advanced to depths ranging from the surface to 8 feet bgs within the release area to further evaluate the vertical and horizontal extents. Soil sample locations are depicted on **Figure 3**. Soil samples were collected for laboratory analysis 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 by EPA method 8015, modified 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 B**.

Vertical delineation was achieved in all areas except area S-5 (Trench-4). Chloride concentrations in soil samples collected were reported ranging from 29,400 mg/kg at the ground surface to 1-foot bgs to 1,440 mg/kg at 4 feet bgs. Soil sample analytical results are summarized in **Table 1**.

2023 Work Plan

6 Proposed Work Plan

Based on the analytical data and the detected TPH and chloride concentrations in soil samples collected during site assessment activities, COG proposes to remediate the areas shown in **Figure 4** and highlighted (blue) in **Table 1**.

A cultural resource inventory (CRI) will be completed in compliance with the New Mexico State Land Office (NMSLO) Cultural Properties Protection (CPP) Rule Prior to any excavation activities within undisturbed areas located off of the well pad at the Site.

Area proximate to S-1/T-1

- This area is part of the pad.
- All concentrations were below the regulatory limits.
- COP will be performing some general housekeeping in this area.

Area proximate to S-2

- This area is part of the pad.
- All concentrations were below the regulatory limits.
- COP will be performing some general housekeeping in this area.

Area proximate to S-3/T-2

- This area is in the pasture.
- Area exceeds reclamation standards.
- COP will excavate to a depth of 4' bgs and backfilled with clean material to grade.

Area proximate to S-4/T-3

- This area is part of the pad.
- Regulatory limit exceedance at 2.0 feet bgs of 24,600 m/kg and 4 feet bgs of 21,100 mg/kg.
- COP will excavate the area to a depth of 2-3 feet bgs and backfilled with clean material to grade.

Area proximate to S-5/T-4

- This area is part of the pad. Regulatory limit exceedance at 0-1 foot of 29,400 m/kg.
- No access for equipment to excavate the area.
- COP will hand dig the area to a depth of 1-1.5 feet bgs at the sample point and resample the remaining areas for additional evaluation (see **Figure 3** and **Photographic Log - Pictures 5 and 7**). If below regulatory limit, COP will be performing some general housekeeping.
- Possibly defer if dense formation is encountered during shallow hand digging.
- COP will hand dig to the maximum extent possible due to the proximity to surface steel production flowlines and the steel containment infrastructure of the facility.

2023 Work Plan

Area proximate to S-6/T-5

- This area is located in the pasture.
- Area exceeds reclamation standards.
- COP will excavate to a depth of 4 feet bgs and backfill with clean material to grade.

Five-point composite confirmation soil samples will be collected from the excavation floor and sidewalls at 200 square foot intervals for analysis of chloride by EPA Method 300.0, BTEX by EPA Method 8260, and TPH for GRO, DRO, and ORO by EPA Method 8015. Lateral limits of the excavation will halt once confirmation sample analytical results are in accordance with NMAC 19.15.29.12(D)(1)(c).

An estimated 676 cubic yards of soil will be removed and transported to the nearest NMOCD approved disposal facility. Following completion of excavation activities, the areas will be backfilled with clean material and reclaimed to match the original surface conditions and drainage.

The off pad disturbed areas will be reseeded during the first favorable growing season following closure of the site in accordance with NMAC part 19.15.29.13 with an SLO approved seed mixture based on the following soil types: Reagan loam (31.4 %) - Alluvium and/or eolian deposits and Upton gravelly loam (68.6 %) - Residuum weathered from limestone at the site. These soils are well drained.

The proposed remediation activities will be implemented within 90 days following approval of this work plan by the NMSLO and NMOCD. The anticipated schedule includes 30 days to setup field work and confirm sub-contractors, 30 days to complete on-site remediation activities, and 30 days to prepare a soil remediation summary and closure request report.

Impacted soil near oil and gas equipment, structures, or lines will be removed to the extent possible during remediation activities due to safety concerns for the onsite personnel and the potential to damage existing equipment and potentially cause a secondary release. Deferral will be requested for areas where remediation activities are not possible and closure criteria stipulated within NMAC 19.15.29.12.C(2) are not achieved.

7 Work Plan Approval Request

Upon completion of the above proposed soil remediation activities, a final closure or deferral request report describing the remediation activities will be submitted to the NMOCD and NMSLO for review. If you have any questions regarding this work plan or need additional information, please do not hesitate to contact Scott Foord at 281-725-7447 or Justin Nixon at 432-296-9547.

Tables

Table 1
2022 Soil Sample Analytical Results
Graham Cracker State 2 Com 001H
COG (ConocoPhillips)

			BTEX					TPH				CI Method
Location ID	Depth (Feet)	Date Collected	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 Reclamation Standards			10	--	--	--	50	--	--	--	100	600
NMOCD Closure Standards >100'				--	--	--		1,000		--	2,500	20,000
S-1	0-1	7/28/2022	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	4,620
	1.5	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	2,220
T-1	0-1	9/22/2022	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	12,100
	1.5	"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	12,200
	2.0	"	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	225
	3.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	113
S-2	0-1	7/28/2022	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	5,970
	1.5	"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	3,180
	2.5	"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	884
	3.5	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	322
	4.5	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	357
S-3	0-1	7/28/2022	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	6,650
	1.5	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	7,010
	2.5	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	5,120
	3.5	"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	144
	4.5	"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	1,080
T-2	0-1	9/22/2022	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	131	<50.0	131	23,300
	1.5	"	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	149	<50.0	149	25,900
	2.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	12,900
	3.0	"	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	14,600
	4.0	"	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	13,600
	5.0	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	1,140
	6.0	"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	400
	7.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	180
S-4	0-1	7/28/2022	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	5,780
	1.5	"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	246
	2.5	"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	2,840
	3.5	"	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	1,990
	4.5	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	1,480
T-3	0-1	9/22/2022	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	89.0	<49.9	89.0	18,700
	1.5	"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	11,300
	2.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	138	<49.9	138	24,600
	3.0	"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	207	<49.9	207	19,700
	4.0	"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	111	<50.0	111	21,100
	5.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	2,900
	6.0	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	3,160
	7.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	62.1

Table 1
2022 Soil Sample Analytical Results
Graham Cracker State 2 Com 001H
COG (ConocoPhillips)

			BTEX					TPH				CI Method
Location ID	Depth (Feet)	Date Collected	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 Reclamation Standards			10	--	--	--	50	--	--	--	100	600
S-5	0-1	7/28/2022	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	4,430
	1.5	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	3,190
T-4	0-1	9/22/2022	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	52.3	<49.8	52.3	29,400
	1.5	"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	18,100
	2.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	18,600
	3.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	1,910
	4.0	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	1,440
S-6	0-1	7/28/2022	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	1,070
	1.5	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	6,180
	2.5	"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	5,650
	3.5	"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	4,610
	4.5	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	3,640
T-5	0-1	9/22/2022	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	110	<49.8	110	48.3
	1.5	"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	17,800
	2.0	"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	315	74.9	390	12,300
	3.0	"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	56.2	<50.0	56.2	12,900
	4.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	12,000
	5.0	"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	333
	6.0	"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	274
H-1	0-0.5		<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<5.01
H-2	0-0.5		<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	10.2
H-3	0-0.5		<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	10.6
H-4	0-0.5		<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	29.7
H-5	0-0.5		<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<5.04
H-6	0-0.5		<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.9	<49.9	<49.9	<49.9	<5.02
H-7	0-0.5		<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	9.89
H-8	0-0.5		<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	5.98

Legend:

Data from Carmona Resources Assessment

Proposed excavation highlighted in blue

Analytes exceeding NMAC standards are indicated in **bold**

'<' 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

T-Test Trench Soil Sample

S- Soil Sample

H : Hand Auger 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 Oil Conservation Division

--: No individual standard

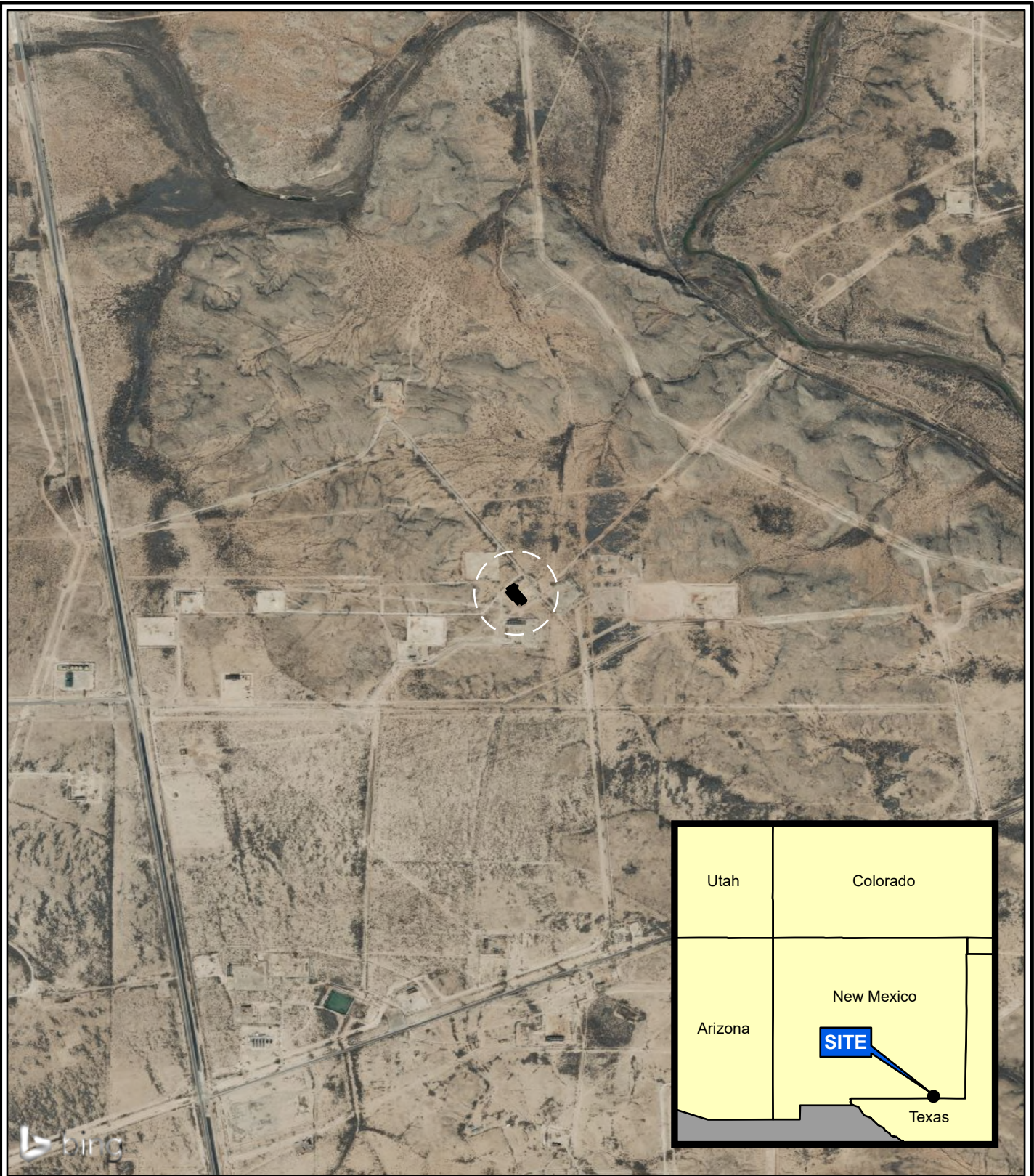
Table 1
2022 Soil Sample Analytical Results
Graham Cracker State 2 Com 001H
COG (ConocoPhillips)

Qualifier Type	Lab Qualifiers	Definition
Inorganic	J	Indicates an estimated value.
Inorganic	JB	
Inorganic	JBF	
Inorganic	U	The compound was analyzed for but not detected. The associated value is the compound quantitation limit.



Figures

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: wberry ; Client (Project #)
T:\EHSS\ArcGIS_ProLand\COG\NM\Graham Cracker.aprx 4/26/2023 2:03 PM



NOTES:
Datum: D_WGS_1984
Source: Bing Map
Site Location: 32.065445°, -104.050353°

0 2,000 4,000
Feet
GRAPHIC SCALE

Legend

— Site Location

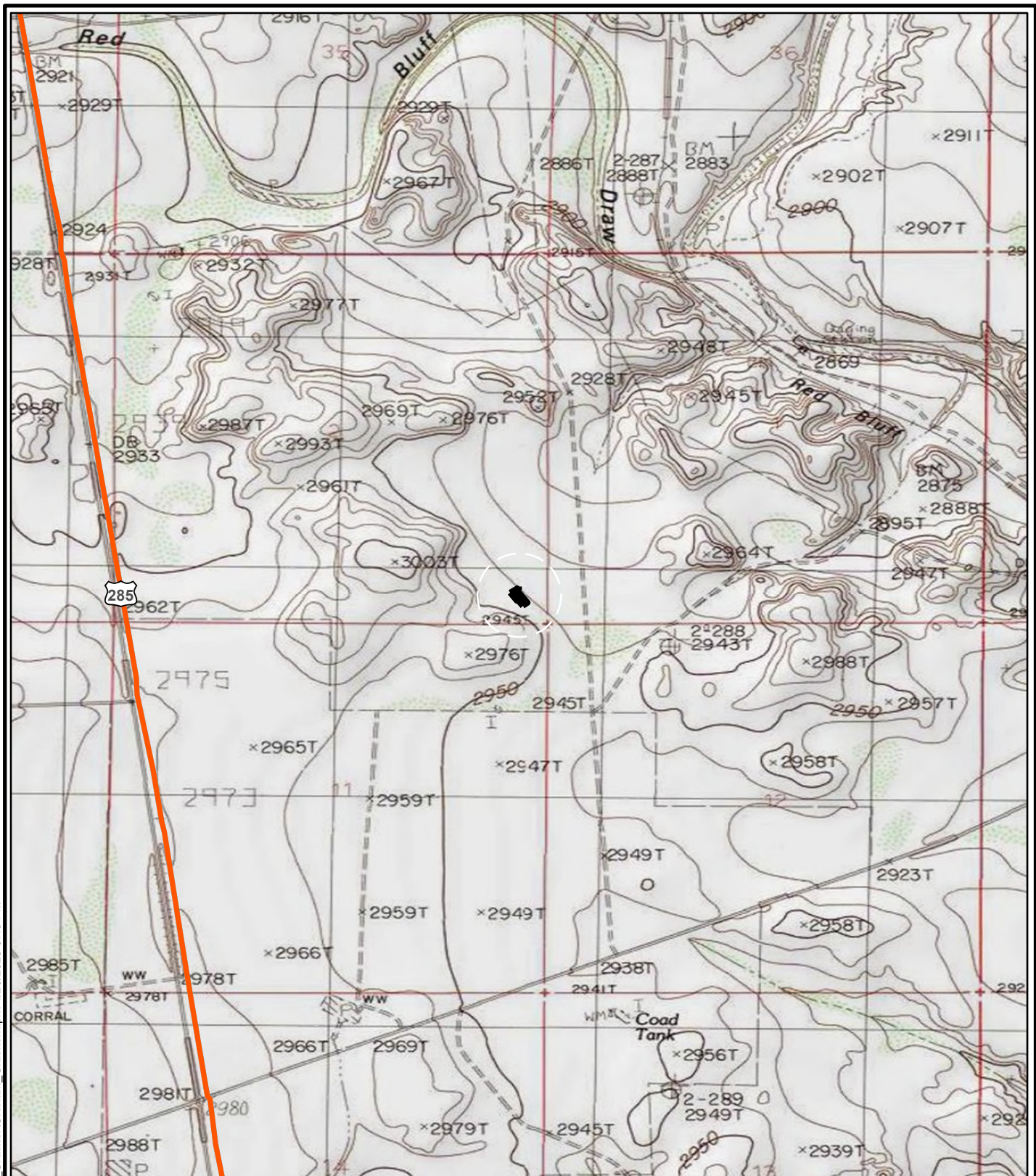
COG (CONOCOPHILLIPS)
GRAHAM CRACKER 2 STATE COM 001H
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP



FIGURE
1

City: Houston Div/Group: Remediation West - Air Group Created By: W Berry Last Saved By: wberry : Client (Project #)
 T:\EHSS\ArcGIS_ProLand\COG\NM\Graham_Cracker.aprx 4/26/2023 6:43 PM



ESRI: USGS Topo Service

Legend

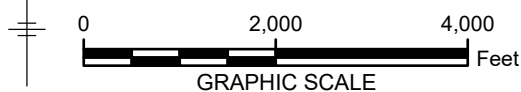
— Site Location

NOTES:

Datum: D_WGS_1984

Source: Bing Map

Site Location: 32.065445°, -104.050353°



COG (CONOCOPHILLIPS)
 GRAHAM CRACKER 2 STATE COM 001H
 EDDY COUNTY, NEW MEXICO

TOPOGRAPHIC MAP



FIGURE
 2

City: Houston Div/Group: Remediation West - Air Group Created By: W Berry Last Saved By: wberry Client (Project #)
 T:\EHSS\ArcGIS Pro\Land\COG\NM\Graham Cracker.aprx 4/26/2023 6:38 PM



Legend



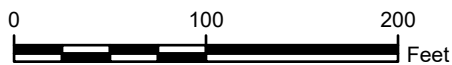
GWDB (Groundwater
Determination Boring)
105.51ft bgs

NOTES:

Datum: D_WGS_1984

Source: Bing Map

Site Location: 32.065445°, -104.050353°



GRAPHIC SCALE

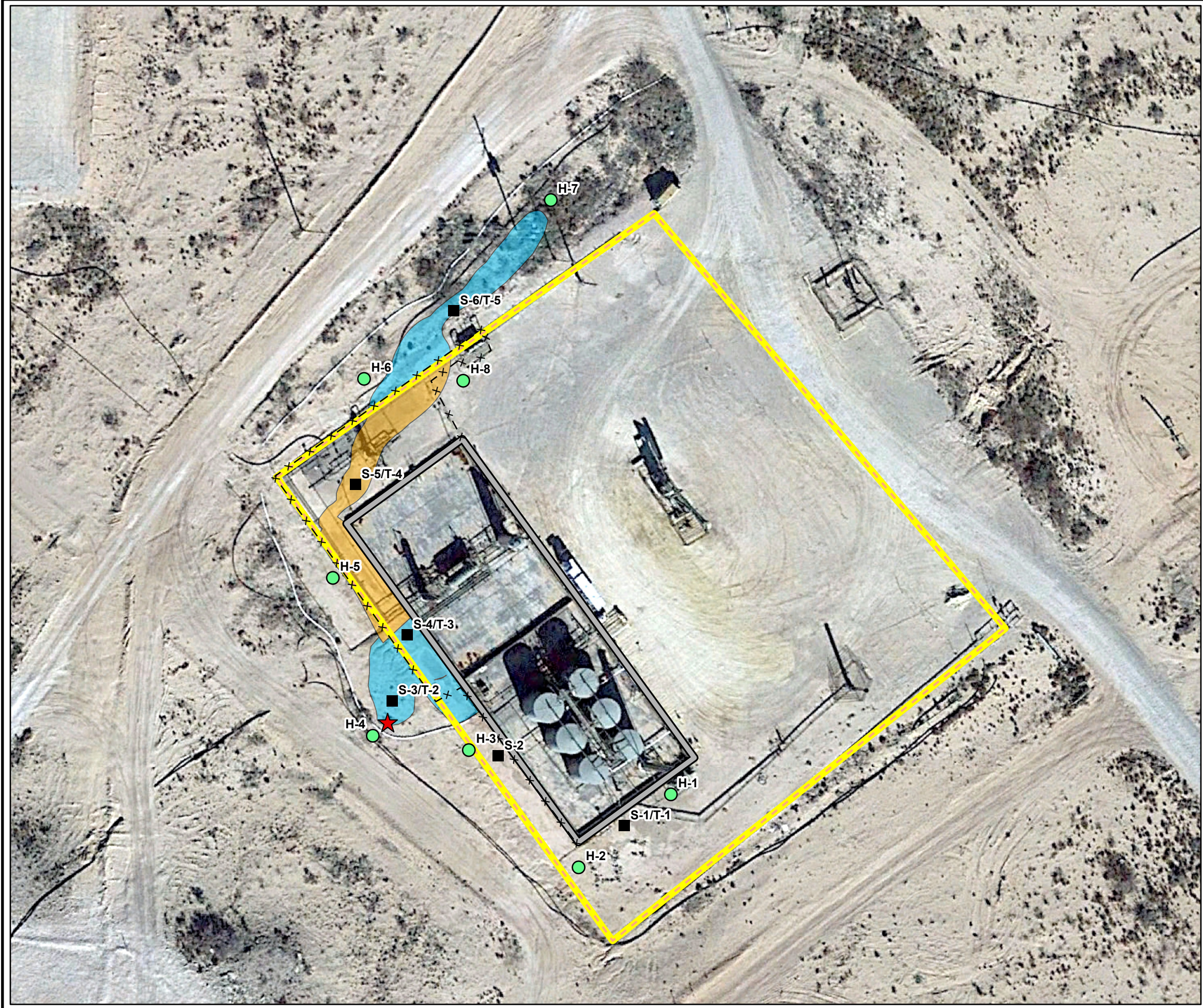
COG (CONOCOPHILLIPS)
GRAHAM CRACKER 2 STATE COM 001H
EDDY COUNTY, NEW MEXICO

DEPTH TO GROUNDWATER MAP



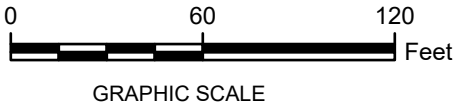
FIGURE
3

City: Houston Div/Group: Remediation West-Air Group Created By: W Berry Last Saved By: wberry : Client (Project #)
T:\EHSS\ArcGIS Pro\Land\COG\NM\Graham_Cracker\Graham_Cracker.aprx 5/25/2023 11:50 AM



Legend

- ★ Release
- Surface Soil Samples
- Soil Sample Locations
- × — Fence
- ▬ Metal Containment
- 1-1.5' Excavation
- 4' Excavation
- ▬ Well Pad



COG (CONOCOPHILLIPS)
GRAHAM CRACKER 2 STATE COM 001H
EDDY COUNTY, NEW MEXICO

**PROPOSED EXCAVATION AND
SAMPLE LOCATION MAP**



FIGURE
4

Photographic Logs



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 1	Date: 07/28/2022		
Direction Photo Taken: Facing NW			
Description: S-1 (T-1) area hand dig/deferment area adjacent to containment and steel production lines.		☀ 289°W (T) ● 32.065064°N, 104.050402°W ±19ft ▲ 2959ft 28 Jul 2022 08:23:40	



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 2	Date: 07/28/2022		
Direction Photo Taken: NW			
Description: S-2 area		☀ 333°NW (T) ● 32.065018°N, 104.050532°W ±13ft ▲ 2955ft 28 Jul 2022 08:23:52	



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 3	Date: 07/28/2022		
Direction Photo Taken: N			
Description: S-3 (T-2) and S-4 (T-3) area's		332°NW (T) 32.065154°N, 104.050656°W ±13ft ▲ 2958ft	



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 4	Date: 07/28/2022		
Direction Photo Taken: N			
Description: N of S-4 (T-3). Hand dig/ deferral area inside facility on pad		338°N (T) 32.065352°N, 104.050863°W ±13ft ▲ 2959ft	



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 5	Date: 04/19/2023		
Direction Photo Taken: NW			
Description: S-5 (T-4). Hand dig/deferred area inside facility on pad by the northern separator			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 6	Date: 07/28/2022		
Direction Photo Taken: NE			
Description: S-6 (T-5) area			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 7	Date: 04/19/2023		
Direction Photo Taken: NE			
Description: S-5 (T-4). Hand dig/deferall area inside facility on pad by the northern separator			



PHOTOGRAPHIC LOG

Property Name: Graham Cracker 2 State Com 001H		Location: Eddy County, NM	Case No. NAPP2220644089
Photo No. 8	Date: 03/21/2023		
Direction Photo Taken: NE			
Description: Ground water determination boring			

Appendix A

Initial C-141 Form Incident # NAPP2220644089 and Remediation Plan

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	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 796-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2220644089
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.065 Longitude -104.081
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Graham Cracker 2 State Com 001H	Site Type	Flow Line
Date Release Discovered	July 9, 2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
M	03	26S	28E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 15.882	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a hole in a flow line due to corrosion.
The release was off pad. A vacuum truck was dispatched to remove all freestanding fluids.
Evaluation will be made at the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Incident ID	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
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	Brittany N. Esparza
Signature: 	Title: Environmental Technician
email: Brittany.Esparza@ConocoPhillips.com	Date: 7/22/2022
	Telephone: (432) 221-0398
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form						
Facility Name & Number:		Graham Cracker 2 State #1H				
Asset Area:		DBW				
Release Discovery Date & Time:		7/9/2022				
Release Type:		Produced Water				
Provide any known details about the event:		White Poly line had leak				
Spill Calculation - Subsurface Spill - Rectangle						
Was the release on pad or off-pad?		See reference table below				
Has it rained at least a half inch in the last 24 hours?		See reference table below				
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	180.0	10.0	2.00	13.63%	53.400	7.278
Rectangle B	30.0	6.0	0.50	13.63%	1.335	0.182
Rectangle C	30.0	30.0	0.50	13.63%	6.675	0.910
Rectangle D	90.0	3.0	0.50	13.63%	2.003	0.273
Rectangle E					0.000	0.000
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000
Total Volume Release:						8.643

Incident ID	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
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?	<u>105.51</u> (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

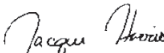
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
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: Jacqui Harris Title: Sr. Environmental Engineer

Signature:  Date: 10.6.22

email: jacqui.harris@conocophillips.com Telephone: 575-496-0780

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2220644089
District RP	
Facility ID	fAPP2203933738
Application ID	

Remediation Plan

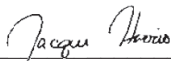
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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: Jacqui Harris Title: Sr. Environmental Engineer
Signature:  Date: 10.6.22
email: jacqui.harris@conocophillips.com Telephone: 575-496-0780

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Appendix B

Laboratory Analytical Reports



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-17508-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Graham Cracker 2 State Com 001H
(07.09.22)

For:

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

Attn: Ashton Thielke

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

Authorized for release by:
8/4/2022 3:58:32 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Laboratory Job ID: 880-17508-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Job ID: 880-17508-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-17508-1**

Receipt

The samples were received on 7/29/2022 9:49 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 0.5°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-31196 and analytical batch 880-31322 was outside control limits. Sample matrix interference is suspected.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-31192 and analytical batch 880-31250 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31191 and analytical batch 880-31253 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 8021B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (880-17508-A-1-G MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-31013 and analytical batch 880-31049 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-31013/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-31014/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-17508-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31014 and analytical batch 880-31085 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.

HPLC/IC

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: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-1

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 14:48	08/02/22 21:35	1
Toluene	<0.00201	U F1 F2	0.00201		mg/Kg		08/01/22 14:48	08/02/22 21:35	1
Ethylbenzene	<0.00201	U F1 F2	0.00201		mg/Kg		08/01/22 14:48	08/02/22 21:35	1
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.00402		mg/Kg		08/01/22 14:48	08/02/22 21:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/01/22 14:48	08/02/22 21:35	1
Xylenes, Total	<0.00402	U F1 F2	0.00402		mg/Kg		08/01/22 14:48	08/02/22 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/01/22 14:48	08/02/22 21:35	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/01/22 14:48	08/02/22 21:35	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	07/31/22 21:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		07/29/22 13:53	07/31/22 21:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	07/31/22 21:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/29/22 13:53	07/31/22 21:15	1
o-Terphenyl	97		70 - 130	07/29/22 13:53	07/31/22 21:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4620		49.7		mg/Kg			08/03/22 21:10	10

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17508-2

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 14:48	08/02/22 22:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 14:48	08/02/22 22:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 14:48	08/02/22 22:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 14:48	08/02/22 22:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 14:48	08/02/22 22:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 14:48	08/02/22 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/01/22 14:48	08/02/22 22:01	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/01/22 14:48	08/02/22 22:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17508-2

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	07/31/22 22:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	07/31/22 22:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	07/31/22 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/29/22 13:53	07/31/22 22:20	1
o-Terphenyl	109		70 - 130				07/29/22 13:53	07/31/22 22:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		50.2		mg/Kg			08/04/22 13:15	10

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

Lab Sample ID: 880-17508-3

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/02/22 09:44	08/02/22 12:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/02/22 09:44	08/02/22 12:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/02/22 09:44	08/02/22 12:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/02/22 09:44	08/02/22 12:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/02/22 09:44	08/02/22 12:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/02/22 09:44	08/02/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/02/22 09:44	08/02/22 12:34	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/02/22 09:44	08/02/22 12:34	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	07/31/22 22:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	07/31/22 22:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-3

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:53	07/31/22 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/29/22 13:53	07/31/22 22:41	1
o-Terphenyl	104		70 - 130				07/29/22 13:53	07/31/22 22:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5970		49.9		mg/Kg			08/04/22 13:23	10

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17508-4

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:04	08/03/22 05:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 05:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 05:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/01/22 13:04	08/03/22 05:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 05:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/01/22 13:04	08/03/22 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/01/22 13:04	08/03/22 05:41	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/01/22 13:04	08/03/22 05:41	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	07/31/22 23:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/29/22 13:53	07/31/22 23:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/29/22 13:53	07/31/22 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				07/29/22 13:53	07/31/22 23:03	1
o-Terphenyl	92		70 - 130				07/29/22 13:53	07/31/22 23:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3180		101		mg/Kg			08/03/22 21:36	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-17508-5

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:04	08/03/22 06:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 06:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 06:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/01/22 13:04	08/03/22 06:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 06:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/01/22 13:04	08/03/22 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/01/22 13:04	08/03/22 06:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/01/22 13:04	08/03/22 06:01	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	07/31/22 23:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	07/31/22 23:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	07/31/22 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/29/22 13:53	07/31/22 23:24	1
o-Terphenyl	104		70 - 130	07/29/22 13:53	07/31/22 23:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	884		4.97		mg/Kg			08/03/22 21:44	1

Client Sample ID: S-2 (3.5')

Lab Sample ID: 880-17508-6

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:04	08/03/22 06:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 06:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 06:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:04	08/03/22 06:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 06:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:04	08/03/22 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/01/22 13:04	08/03/22 06:22	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/01/22 13:04	08/03/22 06:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (3.5')

Lab Sample ID: 880-17508-6

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	07/31/22 23:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/29/22 13:53	07/31/22 23:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/29/22 13:53	07/31/22 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/29/22 13:53	07/31/22 23:46	1
o-Terphenyl	118		70 - 130				07/29/22 13:53	07/31/22 23:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		5.00		mg/Kg			08/03/22 21:52	1

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17508-7

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:04	08/03/22 06:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 06:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 06:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 06:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 06:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/01/22 13:04	08/03/22 06:42	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/01/22 13:04	08/03/22 06:42	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 00:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 00:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17508-7

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:53	08/01/22 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/29/22 13:53	08/01/22 00:07	1
o-Terphenyl	116		70 - 130				07/29/22 13:53	08/01/22 00:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	357		5.05		mg/Kg			08/03/22 22:00	1

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

Lab Sample ID: 880-17508-8

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 12:09	08/02/22 18:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 12:09	08/02/22 18:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 12:09	08/02/22 18:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 12:09	08/02/22 18:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 12:09	08/02/22 18:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 12:09	08/02/22 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/01/22 12:09	08/02/22 18:59	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/01/22 12:09	08/02/22 18:59	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 00:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 00:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/29/22 13:53	08/01/22 00:28	1
o-Terphenyl	102		70 - 130				07/29/22 13:53	08/01/22 00:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6650		49.8		mg/Kg			08/03/22 22:08	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17508-9

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 12:09	08/02/22 19:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 12:09	08/02/22 19:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 12:09	08/02/22 19:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 12:09	08/02/22 19:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 12:09	08/02/22 19:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 12:09	08/02/22 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/01/22 12:09	08/02/22 19:20	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/01/22 12:09	08/02/22 19:20	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 00:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 00:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/29/22 13:53	08/01/22 00:50	1
o-Terphenyl	122		70 - 130	07/29/22 13:53	08/01/22 00:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7010		50.2		mg/Kg			08/03/22 22:15	10

Client Sample ID: S-3 (2.5')

Lab Sample ID: 880-17508-10

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 12:09	08/02/22 19:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 19:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 19:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 12:09	08/02/22 19:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 19:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 12:09	08/02/22 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/01/22 12:09	08/02/22 19:41	1
1,4-Difluorobenzene (Surr)	125		70 - 130	08/01/22 12:09	08/02/22 19:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (2.5')

Lab Sample ID: 880-17508-10

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/29/22 13:53	08/01/22 01:11	1
o-Terphenyl	107		70 - 130				07/29/22 13:53	08/01/22 01:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5120		50.1		mg/Kg			08/03/22 22:39	10

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-17508-11

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 12:09	08/02/22 20:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 20:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 20:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/01/22 12:09	08/02/22 20:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 20:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/01/22 12:09	08/02/22 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/01/22 12:09	08/02/22 20:01	1
1,4-Difluorobenzene (Surr)	124		70 - 130				08/01/22 12:09	08/02/22 20:01	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 01:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 01:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-17508-11

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:53	08/01/22 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/29/22 13:53	08/01/22 01:53	1
o-Terphenyl	97		70 - 130				07/29/22 13:53	08/01/22 01:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.99		mg/Kg			08/04/22 13:30	1

Client Sample ID: S-3 (4.5')

Lab Sample ID: 880-17508-12

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/02/22 23:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/02/22 23:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/02/22 23:49	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		08/01/22 13:09	08/02/22 23:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/02/22 23:49	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		08/01/22 13:09	08/02/22 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/01/22 13:09	08/02/22 23:49	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/01/22 13:09	08/02/22 23:49	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 02:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/29/22 13:53	08/01/22 02:14	1
o-Terphenyl	119		70 - 130				07/29/22 13:53	08/01/22 02:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		5.03		mg/Kg			08/03/22 23:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-13

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 00:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 00:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 00:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 00:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 00:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/01/22 13:09	08/03/22 00:10	1
1,4-Difluorobenzene (Surr)	125		70 - 130	08/01/22 13:09	08/03/22 00:10	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 02:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 02:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/29/22 13:53	08/01/22 02:35	1
o-Terphenyl	107		70 - 130	07/29/22 13:53	08/01/22 02:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5780		49.9		mg/Kg			08/03/22 23:18	10

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-17508-14

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 00:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:09	08/03/22 00:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:09	08/03/22 00:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/01/22 13:09	08/03/22 00:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:09	08/03/22 00:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/01/22 13:09	08/03/22 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/01/22 13:09	08/03/22 00:31	1
1,4-Difluorobenzene (Surr)	129		70 - 130	08/01/22 13:09	08/03/22 00:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-17508-14

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 02:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 02:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 02:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/29/22 13:53	08/01/22 02:56	1
o-Terphenyl	105		70 - 130				07/29/22 13:53	08/01/22 02:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		4.98		mg/Kg			08/04/22 13:38	1

Client Sample ID: S-4 (2.5')

Lab Sample ID: 880-17508-15

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 00:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:09	08/03/22 00:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:09	08/03/22 00:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/01/22 13:09	08/03/22 00:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:09	08/03/22 00:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/01/22 13:09	08/03/22 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/01/22 13:09	08/03/22 00:51	1
1,4-Difluorobenzene (Surr)	122		70 - 130				08/01/22 13:09	08/03/22 00:51	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 03:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 03:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (2.5')

Lab Sample ID: 880-17508-15

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:53	08/01/22 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/29/22 13:53	08/01/22 03:17	1
o-Terphenyl	108		70 - 130				07/29/22 13:53	08/01/22 03:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2840		101		mg/Kg			08/03/22 23:34	20

Client Sample ID: S-4 (3.5')

Lab Sample ID: 880-17508-16

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 01:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 01:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 01:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/01/22 13:09	08/03/22 01:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 01:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/01/22 13:09	08/03/22 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/01/22 13:09	08/03/22 01:12	1
1,4-Difluorobenzene (Surr)	120		70 - 130				08/01/22 13:09	08/03/22 01:12	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/29/22 13:53	08/01/22 03:39	1
o-Terphenyl	106		70 - 130				07/29/22 13:53	08/01/22 03:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1990		99.8		mg/Kg			08/03/22 23:42	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (4.5')

Lab Sample ID: 880-17508-17

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 01:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 01:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 01:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 01:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 01:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/01/22 13:09	08/03/22 01:33	1
1,4-Difluorobenzene (Surr)	121		70 - 130	08/01/22 13:09	08/03/22 01:33	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 04:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 04:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/29/22 13:53	08/01/22 04:00	1
o-Terphenyl	122		70 - 130	07/29/22 13:53	08/01/22 04:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		4.98		mg/Kg			08/03/22 23:50	1

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

Lab Sample ID: 880-17508-18

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 01:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 01:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 01:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/01/22 13:09	08/03/22 01:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 01:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/01/22 13:09	08/03/22 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/01/22 13:09	08/03/22 01:54	1
1,4-Difluorobenzene (Surr)	123		70 - 130	08/01/22 13:09	08/03/22 01:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-18

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 04:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 04:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/29/22 13:53	08/01/22 04:21	1
o-Terphenyl	116		70 - 130				07/29/22 13:53	08/01/22 04:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4430		50.5		mg/Kg			08/03/22 23:57	10

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-17508-19

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 02:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 02:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 02:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 02:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 02:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				08/01/22 13:09	08/03/22 02:14	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/01/22 13:09	08/03/22 02:14	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 04:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:53	08/01/22 04:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-17508-19

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:53	08/01/22 04:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/29/22 13:53	08/01/22 04:42	1
o-Terphenyl	127		70 - 130				07/29/22 13:53	08/01/22 04:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3190		49.7		mg/Kg			08/03/22 03:16	10

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

Lab Sample ID: 880-17508-20

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 02:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 02:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 02:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 02:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 02:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/01/22 13:09	08/03/22 02:35	1
1,4-Difluorobenzene (Surr)	121		70 - 130				08/01/22 13:09	08/03/22 02:35	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			08/02/22 16:31	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			07/31/22 10:33	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		07/29/22 13:53	08/01/22 05:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 05:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	08/01/22 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/29/22 13:53	08/01/22 05:03	1
o-Terphenyl	107		70 - 130				07/29/22 13:53	08/01/22 05:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		4.95		mg/Kg			08/03/22 03:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-17508-21

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 02:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 02:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 02:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 02:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 02:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	08/01/22 13:09	08/03/22 02:56	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/01/22 13:09	08/03/22 02:56	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:50	07/30/22 23:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/30/22 23:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/30/22 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/29/22 13:50	07/30/22 23:50	1
o-Terphenyl	123		70 - 130	07/29/22 13:50	07/30/22 23:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6180		49.8		mg/Kg			08/03/22 03:47	10

Client Sample ID: S-6 (2.5')

Lab Sample ID: 880-17508-22

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 04:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:09	08/03/22 04:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:09	08/03/22 04:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/01/22 13:09	08/03/22 04:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:09	08/03/22 04:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/01/22 13:09	08/03/22 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/01/22 13:09	08/03/22 04:20	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/01/22 13:09	08/03/22 04:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (2.5')

Lab Sample ID: 880-17508-22

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:50	07/31/22 00:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 00:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/29/22 13:50	07/31/22 00:11	1
o-Terphenyl	112		70 - 130				07/29/22 13:50	07/31/22 00:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5650		50.0		mg/Kg			08/03/22 03:55	10

Client Sample ID: S-6 (3.5')

Lab Sample ID: 880-17508-23

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 04:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 04:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 04:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/01/22 13:09	08/03/22 04:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 04:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/01/22 13:09	08/03/22 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/01/22 13:09	08/03/22 04:41	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/01/22 13:09	08/03/22 04:41	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:50	07/31/22 00:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 00:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (3.5')

Lab Sample ID: 880-17508-23

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:50	07/31/22 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/29/22 13:50	07/31/22 00:32	1
o-Terphenyl	114		70 - 130				07/29/22 13:50	07/31/22 00:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4610		49.6		mg/Kg			08/03/22 10:20	10

Client Sample ID: S-6 (4.5')

Lab Sample ID: 880-17508-24

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 05:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 05:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 05:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 05:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 05:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 05:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/01/22 13:09	08/03/22 05:02	1
1,4-Difluorobenzene (Surr)	124		70 - 130				08/01/22 13:09	08/03/22 05:02	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:50	07/31/22 00:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 00:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/29/22 13:50	07/31/22 00:53	1
o-Terphenyl	92		70 - 130				07/29/22 13:50	07/31/22 00:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3640		24.8		mg/Kg			08/03/22 04:27	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-25

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 05:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 05:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 05:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 05:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 05:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/01/22 13:09	08/03/22 05:23	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/01/22 13:09	08/03/22 05:23	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:50	07/31/22 01:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 01:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	07/29/22 13:50	07/31/22 01:35	1
o-Terphenyl	95		70 - 130	07/29/22 13:50	07/31/22 01:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			08/03/22 04:35	1

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

Lab Sample ID: 880-17508-26

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 05:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 05:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 05:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/01/22 13:09	08/03/22 05:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:09	08/03/22 05:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/01/22 13:09	08/03/22 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/01/22 13:09	08/03/22 05:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/01/22 13:09	08/03/22 05:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-26

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:50	07/31/22 01:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 01:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/29/22 13:50	07/31/22 01:57	1
o-Terphenyl	107		70 - 130				07/29/22 13:50	07/31/22 01:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		4.97		mg/Kg			08/03/22 04:42	1

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

Lab Sample ID: 880-17508-27

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 06:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 06:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 06:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 06:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/03/22 06:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:09	08/03/22 06:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/01/22 13:09	08/03/22 06:04	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/01/22 13:09	08/03/22 06:04	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:50	07/31/22 02:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 02:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-27

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:50	07/31/22 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/29/22 13:50	07/31/22 02:18	1
o-Terphenyl	98		70 - 130				07/29/22 13:50	07/31/22 02:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		4.98		mg/Kg			08/03/22 04:50	1

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

Lab Sample ID: 880-17508-28

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 06:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 06:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 06:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 06:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 06:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 06:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/01/22 13:09	08/03/22 06:25	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/01/22 13:09	08/03/22 06:25	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:50	07/31/22 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/29/22 13:50	07/31/22 02:39	1
o-Terphenyl	106		70 - 130				07/29/22 13:50	07/31/22 02:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.7		5.00		mg/Kg			08/03/22 04:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-29

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 06:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 06:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 06:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 06:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 06:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/01/22 13:09	08/03/22 06:45	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/01/22 13:09	08/03/22 06:45	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/29/22 13:50	07/31/22 03:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 03:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 03:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	07/29/22 13:50	07/31/22 03:00	1
o-Terphenyl	89		70 - 130	07/29/22 13:50	07/31/22 03:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			08/03/22 05:06	1

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

Lab Sample ID: 880-17508-30

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 07:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:09	08/03/22 07:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:09	08/03/22 07:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/01/22 13:09	08/03/22 07:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:09	08/03/22 07:06	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/01/22 13:09	08/03/22 07:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/01/22 13:09	08/03/22 07:06	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/01/22 13:09	08/03/22 07:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-30

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:50	07/31/22 03:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 03:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				07/29/22 13:50	07/31/22 03:22	1
o-Terphenyl	91		70 - 130				07/29/22 13:50	07/31/22 03:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			08/03/22 05:29	1

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

Lab Sample ID: 880-17508-31

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/01/22 13:09	08/03/22 07:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 07:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 07:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 07:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:09	08/03/22 07:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:09	08/03/22 07:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				08/01/22 13:09	08/03/22 07:27	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/01/22 13:09	08/03/22 07:27	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:50	07/31/22 03:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 03:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-31

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		07/29/22 13:50	07/31/22 03:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/29/22 13:50	07/31/22 03:43	1
o-Terphenyl	96		70 - 130				07/29/22 13:50	07/31/22 03:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.89		4.97		mg/Kg			08/03/22 05:37	1

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

Lab Sample ID: 880-17508-32

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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		08/02/22 09:44	08/02/22 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/02/22 09:44	08/02/22 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/02/22 09:44	08/02/22 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/02/22 09:44	08/02/22 12:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/02/22 09:44	08/02/22 12:55	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			08/02/22 16:31	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			07/31/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/29/22 13:50	07/31/22 04:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 04:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 04:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/29/22 13:50	07/31/22 04:04	1
o-Terphenyl	114		70 - 130				07/29/22 13:50	07/31/22 04:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.98		5.00		mg/Kg			08/03/22 06:01	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-17507-A-2-E MS	Matrix Spike	106	96
880-17507-A-2-F MSD	Matrix Spike Duplicate	121	93
880-17508-1	S-1 (0-1')	102	95
880-17508-1 MS	S-1 (0-1')	103	113
880-17508-1 MSD	S-1 (0-1')	301 S1+	143 S1+
880-17508-2	S-1 (1.5')	89	112
880-17508-3	S-2 (0-1')	102	85
880-17508-3 MS	S-2 (0-1')	103	98
880-17508-3 MSD	S-2 (0-1')	107	97
880-17508-4	S-2 (1.5')	113	94
880-17508-5	S-2 (2.5')	110	92
880-17508-6	S-2 (3.5')	116	90
880-17508-7	S-2 (4.5')	112	88
880-17508-8	S-3 (0-1')	96	107
880-17508-9	S-3 (1.5')	91	119
880-17508-10	S-3 (2.5')	95	125
880-17508-11	S-3 (3.5')	86	124
880-17508-12	S-3 (4.5')	85	117
880-17508-12 MS	S-3 (4.5')	81	112
880-17508-12 MSD	S-3 (4.5')	86	116
880-17508-13	S-4 (0-1')	92	125
880-17508-14	S-4 (1.5')	95	129
880-17508-15	S-4 (2.5')	85	122
880-17508-16	S-4 (3.5')	92	120
880-17508-17	S-4 (4.5')	92	121
880-17508-18	S-5 (0-1')	93	123
880-17508-19	S-5 (1.5')	93	115
880-17508-20	S-6 (0-1')	86	121
880-17508-21	S-6 (1.5')	130	106
880-17508-22	S-6 (2.5')	101	106
880-17508-23	S-6 (3.5')	96	113
880-17508-24	S-6 (4.5')	91	124
880-17508-25	H-1 (0-0.5')	118	107
880-17508-26	H-2 (0-0.5')	98	104
880-17508-27	H-3 (0-0.5')	108	101
880-17508-28	H-4 (0-0.5')	101	115
880-17508-29	H-5 (0-0.5')	119	112
880-17508-30	H-6 (0-0.5')	122	95
880-17508-31	H-7 (0-0.5')	97	115
880-17508-32	H-8 (0-0.5')	113	96
880-17548-A-21-H MS	Matrix Spike	85	111
880-17548-A-21-I MSD	Matrix Spike Duplicate	99	113
LCS 880-31189/1-A	Lab Control Sample	80	113
LCS 880-31191/1-A	Lab Control Sample	111	99
LCS 880-31192/1-A	Lab Control Sample	81	110
LCS 880-31196/1-A	Lab Control Sample	93	103
LCS 880-31290/1-A	Lab Control Sample	98	98
LCSD 880-31189/2-A	Lab Control Sample Dup	79	98
LCSD 880-31191/2-A	Lab Control Sample Dup	108	101

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-17508-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

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)
LCSD 880-31192/2-A	Lab Control Sample Dup	92	100
LCSD 880-31196/2-A	Lab Control Sample Dup	99	106
LCSD 880-31290/2-A	Lab Control Sample Dup	114	101
MB 880-31189/5-A	Method Blank	86	107
MB 880-31191/5-A	Method Blank	101	92
MB 880-31192/5-A	Method Blank	86	107
MB 880-31196/5-A	Method Blank	76	94
MB 880-31290/5-A	Method Blank	104	88
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)
880-17508-1	S-1 (0-1')	88	97
880-17508-1 MS	S-1 (0-1')	72	74
880-17508-1 MSD	S-1 (0-1')	66 S1-	74
880-17508-2	S-1 (1.5')	99	109
880-17508-3	S-2 (0-1')	97	104
880-17508-4	S-2 (1.5')	81	92
880-17508-5	S-2 (2.5')	92	104
880-17508-6	S-2 (3.5')	104	118
880-17508-7	S-2 (4.5')	103	116
880-17508-8	S-3 (0-1')	89	102
880-17508-9	S-3 (1.5')	105	122
880-17508-10	S-3 (2.5')	98	107
880-17508-11	S-3 (3.5')	87	97
880-17508-12	S-3 (4.5')	102	119
880-17508-13	S-4 (0-1')	91	107
880-17508-14	S-4 (1.5')	94	105
880-17508-15	S-4 (2.5')	91	108
880-17508-16	S-4 (3.5')	91	106
880-17508-17	S-4 (4.5')	103	122
880-17508-18	S-5 (0-1')	98	116
880-17508-19	S-5 (1.5')	108	127
880-17508-20	S-6 (0-1')	91	107
880-17508-21	S-6 (1.5')	96	123
880-17508-22	S-6 (2.5')	100	112
880-17508-23	S-6 (3.5')	106	114
880-17508-24	S-6 (4.5')	86	92
880-17508-25	H-1 (0-0.5')	89	95
880-17508-26	H-2 (0-0.5')	97	107
880-17508-27	H-3 (0-0.5')	95	98
880-17508-28	H-4 (0-0.5')	98	106
880-17508-29	H-5 (0-0.5')	86	89
880-17508-30	H-6 (0-0.5')	88	91

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-17508-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

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)
880-17508-31	H-7 (0-0.5')	95	96
880-17508-32	H-8 (0-0.5')	108	114
880-17511-A-1-H MS	Matrix Spike	95	97
880-17511-A-1-I MSD	Matrix Spike Duplicate	100	108
LCS 880-31013/2-A	Lab Control Sample	131 S1+	141 S1+
LCS 880-31014/2-A	Lab Control Sample	133 S1+	139 S1+
LCSD 880-31013/3-A	Lab Control Sample Dup	122	120
LCSD 880-31014/3-A	Lab Control Sample Dup	103	119
MB 880-31013/1-A	Method Blank	101	110
MB 880-31014/1-A	Method Blank	101	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31189/5-A

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 11:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 12:09	08/02/22 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 12:09	08/02/22 11:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 12:09	08/02/22 11:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/01/22 12:09	08/02/22 11:29	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/01/22 12:09	08/02/22 11:29	1

Lab Sample ID: LCS 880-31189/1-A

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31189

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1086		mg/Kg		109	70 - 130
Toluene	0.100	0.09438		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09297		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08812		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-31189/2-A

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31189

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08650		mg/Kg		86	70 - 130	23	35
Toluene	0.100	0.08543		mg/Kg		85	70 - 130	10	35
Ethylbenzene	0.100	0.08634		mg/Kg		86	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1653		mg/Kg		83	70 - 130	9	35
o-Xylene	0.100	0.07858		mg/Kg		79	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	79		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-17548-A-21-H MS

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31189

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1148		mg/Kg		113	70 - 130
Toluene	<0.00201	U	0.101	0.09931		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17548-A-21-H MS

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31189

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.101	0.09553		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1851		mg/Kg		92	70 - 130
o-Xylene	<0.00201	U	0.101	0.08960		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-17548-A-21-I MSD

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31189

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09324		mg/Kg		92	70 - 130	21	35
Toluene	<0.00201	U	0.0998	0.1017		mg/Kg		102	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0998	0.1086		mg/Kg		109	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2247		mg/Kg		113	70 - 130	19	35
o-Xylene	<0.00201	U	0.0998	0.1081		mg/Kg		108	70 - 130	19	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: MB 880-31191/5-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 13:04	08/02/22 22:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/01/22 13:04	08/02/22 22:49	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/01/22 13:04	08/02/22 22:49	1

Lab Sample ID: LCS 880-31191/1-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09689		mg/Kg		97	70 - 130
Toluene	0.100	0.09493		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1034		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-31191/1-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1133		mg/Kg		113	70 - 130

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

Lab Sample ID: LCSD 880-31191/2-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09563		mg/Kg		96	70 - 130	1	35
Toluene	0.100	0.09513		mg/Kg		95	70 - 130	0	35
Ethylbenzene	0.100	0.09740		mg/Kg		97	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130	5	35
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-17507-A-2-E MS

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.07249		mg/Kg		71	70 - 130
Toluene	0.00324	F1	0.101	0.06985	F1	mg/Kg		66	70 - 130
Ethylbenzene	0.00945	F1	0.101	0.06918	F1	mg/Kg		59	70 - 130
m-Xylene & p-Xylene	0.0177	F1	0.201	0.1343	F1	mg/Kg		58	70 - 130
o-Xylene	0.0129	F1	0.101	0.07930	F1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-17507-A-2-F MSD

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0998	0.07878		mg/Kg		78	70 - 130	8	35
Toluene	0.00324	F1	0.0998	0.08768		mg/Kg		85	70 - 130	23	35
Ethylbenzene	0.00945	F1	0.0998	0.08444		mg/Kg		75	70 - 130	20	35
m-Xylene & p-Xylene	0.0177	F1	0.200	0.1681		mg/Kg		75	70 - 130	22	35
o-Xylene	0.0129	F1	0.0998	0.1012		mg/Kg		88	70 - 130	24	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-A-2-F MSD

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31191

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-31192/5-A

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31192

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/02/22 23:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/02/22 23:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/02/22 23:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 13:09	08/02/22 23:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:09	08/02/22 23:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 13:09	08/02/22 23:27	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/01/22 13:09	08/02/22 23:27	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/01/22 13:09	08/02/22 23:27	1

Lab Sample ID: LCS 880-31192/1-A

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31192

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.08745		mg/Kg		87	70 - 130		
Toluene	0.100	0.08896		mg/Kg		89	70 - 130		
Ethylbenzene	0.100	0.09017		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene	0.200	0.1796		mg/Kg		90	70 - 130		
o-Xylene	0.100	0.08822		mg/Kg		88	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-31192/2-A

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31192

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08734		mg/Kg		87	70 - 130	0	35	
Toluene	0.100	0.08646		mg/Kg		86	70 - 130	3	35	
Ethylbenzene	0.100	0.08918		mg/Kg		89	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1696		mg/Kg		85	70 - 130	6	35	
o-Xylene	0.100	0.08335		mg/Kg		83	70 - 130	6	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-31192/2-A

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31192

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

Lab Sample ID: 880-17508-12 MS

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: S-3 (4.5')

Prep Type: Total/NA

Prep Batch: 31192

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.101	0.1058		mg/Kg		105	70 - 130	
Toluene	<0.00200	U	0.101	0.08709		mg/Kg		87	70 - 130	
Ethylbenzene	<0.00200	U	0.101	0.08271		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	<0.00401	U F1	0.201	0.1582		mg/Kg		79	70 - 130	
o-Xylene	<0.00200	U	0.101	0.07800		mg/Kg		78	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-17508-12 MSD

Matrix: Solid

Analysis Batch: 31250

Client Sample ID: S-3 (4.5')

Prep Type: Total/NA

Prep Batch: 31192

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00200	U	0.0998	0.07701		mg/Kg		77	70 - 130	31	35	
Toluene	<0.00200	U	0.0998	0.07070		mg/Kg		71	70 - 130	21	35	
Ethylbenzene	<0.00200	U	0.0998	0.06979		mg/Kg		70	70 - 130	17	35	
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1370	F1	mg/Kg		69	70 - 130	14	35	
o-Xylene	<0.00200	U	0.0998	0.06939		mg/Kg		70	70 - 130	12	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: MB 880-31196/5-A

Matrix: Solid

Analysis Batch: 31322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31196

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 14:48	08/02/22 21:09	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 14:48	08/02/22 21:09	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 14:48	08/02/22 21:09	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 14:48	08/02/22 21:09	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 14:48	08/02/22 21:09	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 14:48	08/02/22 21:09	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	76		70 - 130	08/01/22 14:48	08/02/22 21:09	1				
1,4-Difluorobenzene (Surr)	94		70 - 130	08/01/22 14:48	08/02/22 21:09	1				

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-31196/1-A

Matrix: Solid

Analysis Batch: 31322

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09555		mg/Kg		96	70 - 130
Toluene	0.100	0.08990		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08912		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1816		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09590		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-31196/2-A

Matrix: Solid

Analysis Batch: 31322

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31196

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1086		mg/Kg		109	70 - 130	13	35
Toluene	0.100	0.09048		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.08371		mg/Kg		84	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1686		mg/Kg		84	70 - 130	7	35
o-Xylene	0.100	0.08869		mg/Kg		89	70 - 130	8	35

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

Lab Sample ID: 880-17508-1 MS

Matrix: Solid

Analysis Batch: 31322

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

Prep Type: Total/NA

Prep Batch: 31196

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1044		mg/Kg		104	70 - 130
Toluene	<0.00201	U F1 F2	0.101	0.08709		mg/Kg		85	70 - 130
Ethylbenzene	<0.00201	U F1 F2	0.101	0.07668		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.201	0.1550		mg/Kg		77	70 - 130
o-Xylene	<0.00201	U	0.101	0.08207		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-17508-1 MSD

Matrix: Solid

Analysis Batch: 31322

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

Prep Type: Total/NA

Prep Batch: 31196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.07995		mg/Kg		80	70 - 130	27	35
Toluene	<0.00201	U F1 F2	0.0998	0.02974	F1 F2	mg/Kg		29	70 - 130	98	35
Ethylbenzene	<0.00201	U F1 F2	0.0998	0.01597	F1 F2	mg/Kg		16	70 - 130	131	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-1 MSD

Matrix: Solid

Analysis Batch: 31322

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

Prep Type: Total/NA

Prep Batch: 31196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.200	0.01703	F1 F2	mg/Kg		9	70 - 130	160	35
o-Xylene	<0.00201	U	0.0998	0.09141		mg/Kg		92	70 - 130	11	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	301	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	143	S1+	70 - 130								

Lab Sample ID: MB 880-31290/5-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/02/22 09:44	08/02/22 12:12	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/02/22 09:44	08/02/22 12:12	1

Lab Sample ID: LCS 880-31290/1-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1124		mg/Kg		112	70 - 130		
Toluene	0.100	0.1082		mg/Kg		108	70 - 130		
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130		
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits						
4-Bromofluorobenzene (Surr)	98		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: LCSD 880-31290/2-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1108		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1082		mg/Kg		108	70 - 130	0	35
Ethylbenzene	0.100	0.1122		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2300		mg/Kg		115	70 - 130	6	35
o-Xylene	0.100	0.1303		mg/Kg		130	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-17508-3 MS
Matrix: Solid
Analysis Batch: 31253

Client Sample ID: S-2 (0-1')
Prep Type: Total/NA
Prep Batch: 31290

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09241		mg/Kg		93	70 - 130
Toluene	<0.00201	U	0.0998	0.08809		mg/Kg		88	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08837		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1783		mg/Kg		89	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09859		mg/Kg		99	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-17508-3 MSD
Matrix: Solid
Analysis Batch: 31253

Client Sample ID: S-2 (0-1')
Prep Type: Total/NA
Prep Batch: 31290

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0994	0.08109		mg/Kg		82	70 - 130	13	35
Toluene	<0.00201	U	0.0994	0.08003		mg/Kg		80	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.0994	0.08217		mg/Kg		83	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1673		mg/Kg		84	70 - 130	6	35
o-Xylene	<0.00201	U	0.0994	0.09239		mg/Kg		93	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-31013/1-A
Matrix: Solid
Analysis Batch: 31049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31013

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		07/29/22 13:50	07/30/22 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/30/22 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/30/22 19:52	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	101		70 - 130	07/29/22 13:50	07/30/22 19:52	1			
o-Terphenyl	110		70 - 130	07/29/22 13:50	07/30/22 19:52	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-31013/2-A

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	780.9		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		131	S1+				
o-Terphenyl		141	S1+				

Lab Sample ID: LCSD 880-31013/3-A

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1064	*1	mg/Kg		106	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	1000	880.2		mg/Kg		88	70 - 130	15	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		122							
o-Terphenyl		120							

Lab Sample ID: 880-17511-A-1-H MS

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	1080		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	711.2		mg/Kg		71	70 - 130
		MS	MS						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		95							
o-Terphenyl		97							

Lab Sample ID: 880-17511-A-1-I MSD

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	1056		mg/Kg		104	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	783.4		mg/Kg		78	70 - 130	10	20
		MSD	MSD								
		%Recovery	Qualifier								
Surrogate			Limits								
1-Chlorooctane		100									

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17511-A-1-I MSD

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31013

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	108		70 - 130

Lab Sample ID: MB 880-31014/1-A

Matrix: Solid

Analysis Batch: 31085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31014

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 13:53	07/31/22 20:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	07/31/22 20:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:53	07/31/22 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/29/22 13:53	07/31/22 20:10	1
<i>o</i> -Terphenyl	117		70 - 130				07/29/22 13:53	07/31/22 20:10	1

Lab Sample ID: LCS 880-31014/2-A

Matrix: Solid

Analysis Batch: 31085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	983.3		mg/Kg		98	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	133	S1+	70 - 130				
<i>o</i> -Terphenyl	139	S1+	70 - 130				

Lab Sample ID: LCSD 880-31014/3-A

Matrix: Solid

Analysis Batch: 31085

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31014

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	858.2		mg/Kg		86	70 - 130	14	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
<i>o</i> -Terphenyl	119		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-1 MS

Matrix: Solid

Analysis Batch: 31085

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

Prep Type: Total/NA

Prep Batch: 31014

	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	999	875.6		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	557.8	F1	mg/Kg		56	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	72		70 - 130								
o-Terphenyl	74		70 - 130								

Lab Sample ID: 880-17508-1 MSD

Matrix: Solid

Analysis Batch: 31085

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

Prep Type: Total/NA

Prep Batch: 31014

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	845.6		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	564.3	F1	mg/Kg		56	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	66	S1-	70 - 130								
o-Terphenyl	74		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31003/1-A

Matrix: Solid

Analysis Batch: 31307

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			08/03/22 02:53	1

Lab Sample ID: LCS 880-31003/2-A

Matrix: Solid

Analysis Batch: 31307

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	269.6		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-31003/3-A

Matrix: Solid

Analysis Batch: 31307

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	274.2		mg/Kg		110	90 - 110	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17508-19 MS

Matrix: Solid

Analysis Batch: 31307

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	3190		2490	5638		mg/Kg		99	90 - 110		

Lab Sample ID: 880-17508-19 MSD

Matrix: Solid

Analysis Batch: 31307

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	3190		2490	5751		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-17508-29 MS

Matrix: Solid

Analysis Batch: 31307

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<5.04	U	252	271.6		mg/Kg		108	90 - 110		

Lab Sample ID: 880-17508-29 MSD

Matrix: Solid

Analysis Batch: 31307

Client Sample ID: H-5 (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	<5.04	U	252	271.2		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-31001/1-A

Matrix: Solid

Analysis Batch: 31312

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			08/03/22 07:27	1

Lab Sample ID: LCS 880-31001/2-A

Matrix: Solid

Analysis Batch: 31312

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	269.0		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-31001/3-A

Matrix: Solid

Analysis Batch: 31312

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	272.1		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 880-17507-A-15-B MS

Matrix: Solid

Analysis Batch: 31312

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	8.84		252	266.2		mg/Kg		102	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-17507-A-15-C MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 31312												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	8.84		252	268.4		mg/Kg		103	90 - 110	1	20	

Lab Sample ID: 880-17508-9 MS					Client Sample ID: S-3 (1.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 31312												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	7010		2510	9326		mg/Kg		92	90 - 110			

Lab Sample ID: 880-17508-9 MSD					Client Sample ID: S-3 (1.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 31312												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	7010		2510	9319		mg/Kg		92	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 31189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-8	S-3 (0-1')	Total/NA	Solid	5035	
880-17508-9	S-3 (1.5')	Total/NA	Solid	5035	
880-17508-10	S-3 (2.5')	Total/NA	Solid	5035	
880-17508-11	S-3 (3.5')	Total/NA	Solid	5035	
MB 880-31189/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31189/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31189/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17548-A-21-H MS	Matrix Spike	Total/NA	Solid	5035	
880-17548-A-21-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 31191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-4	S-2 (1.5')	Total/NA	Solid	5035	
880-17508-5	S-2 (2.5')	Total/NA	Solid	5035	
880-17508-6	S-2 (3.5')	Total/NA	Solid	5035	
880-17508-7	S-2 (4.5')	Total/NA	Solid	5035	
MB 880-31191/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31191/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31191/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17507-A-2-E MS	Matrix Spike	Total/NA	Solid	5035	
880-17507-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 31192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-12	S-3 (4.5')	Total/NA	Solid	5035	
880-17508-13	S-4 (0-1')	Total/NA	Solid	5035	
880-17508-14	S-4 (1.5')	Total/NA	Solid	5035	
880-17508-15	S-4 (2.5')	Total/NA	Solid	5035	
880-17508-16	S-4 (3.5')	Total/NA	Solid	5035	
880-17508-17	S-4 (4.5')	Total/NA	Solid	5035	
880-17508-18	S-5 (0-1')	Total/NA	Solid	5035	
880-17508-19	S-5 (1.5')	Total/NA	Solid	5035	
880-17508-20	S-6 (0-1')	Total/NA	Solid	5035	
880-17508-21	S-6 (1.5')	Total/NA	Solid	5035	
880-17508-22	S-6 (2.5')	Total/NA	Solid	5035	
880-17508-23	S-6 (3.5')	Total/NA	Solid	5035	
880-17508-24	S-6 (4.5')	Total/NA	Solid	5035	
880-17508-25	H-1 (0-0.5')	Total/NA	Solid	5035	
880-17508-26	H-2 (0-0.5')	Total/NA	Solid	5035	
880-17508-27	H-3 (0-0.5')	Total/NA	Solid	5035	
880-17508-28	H-4 (0-0.5')	Total/NA	Solid	5035	
880-17508-29	H-5 (0-0.5')	Total/NA	Solid	5035	
880-17508-30	H-6 (0-0.5')	Total/NA	Solid	5035	
880-17508-31	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-31192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17508-12 MS	S-3 (4.5')	Total/NA	Solid	5035	
880-17508-12 MSD	S-3 (4.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 31196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Total/NA	Solid	5035	
880-17508-2	S-1 (1.5')	Total/NA	Solid	5035	
MB 880-31196/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31196/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31196/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17508-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-17508-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 31250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-8	S-3 (0-1')	Total/NA	Solid	8021B	31189
880-17508-9	S-3 (1.5')	Total/NA	Solid	8021B	31189
880-17508-10	S-3 (2.5')	Total/NA	Solid	8021B	31189
880-17508-11	S-3 (3.5')	Total/NA	Solid	8021B	31189
880-17508-12	S-3 (4.5')	Total/NA	Solid	8021B	31192
880-17508-13	S-4 (0-1')	Total/NA	Solid	8021B	31192
880-17508-14	S-4 (1.5')	Total/NA	Solid	8021B	31192
880-17508-15	S-4 (2.5')	Total/NA	Solid	8021B	31192
880-17508-16	S-4 (3.5')	Total/NA	Solid	8021B	31192
880-17508-17	S-4 (4.5')	Total/NA	Solid	8021B	31192
880-17508-18	S-5 (0-1')	Total/NA	Solid	8021B	31192
880-17508-19	S-5 (1.5')	Total/NA	Solid	8021B	31192
880-17508-20	S-6 (0-1')	Total/NA	Solid	8021B	31192
880-17508-21	S-6 (1.5')	Total/NA	Solid	8021B	31192
880-17508-22	S-6 (2.5')	Total/NA	Solid	8021B	31192
880-17508-23	S-6 (3.5')	Total/NA	Solid	8021B	31192
880-17508-24	S-6 (4.5')	Total/NA	Solid	8021B	31192
880-17508-25	H-1 (0-0.5')	Total/NA	Solid	8021B	31192
880-17508-26	H-2 (0-0.5')	Total/NA	Solid	8021B	31192
880-17508-27	H-3 (0-0.5')	Total/NA	Solid	8021B	31192
880-17508-28	H-4 (0-0.5')	Total/NA	Solid	8021B	31192
880-17508-29	H-5 (0-0.5')	Total/NA	Solid	8021B	31192
880-17508-30	H-6 (0-0.5')	Total/NA	Solid	8021B	31192
880-17508-31	H-7 (0-0.5')	Total/NA	Solid	8021B	31192
MB 880-31189/5-A	Method Blank	Total/NA	Solid	8021B	31189
MB 880-31192/5-A	Method Blank	Total/NA	Solid	8021B	31192
LCS 880-31189/1-A	Lab Control Sample	Total/NA	Solid	8021B	31189
LCS 880-31192/1-A	Lab Control Sample	Total/NA	Solid	8021B	31192
LCSD 880-31189/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31189
LCSD 880-31192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31192
880-17508-12 MS	S-3 (4.5')	Total/NA	Solid	8021B	31192
880-17508-12 MSD	S-3 (4.5')	Total/NA	Solid	8021B	31192
880-17548-A-21-H MS	Matrix Spike	Total/NA	Solid	8021B	31189
880-17548-A-21-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31189

Analysis Batch: 31253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-3	S-2 (0-1')	Total/NA	Solid	8021B	31290
880-17508-4	S-2 (1.5')	Total/NA	Solid	8021B	31191
880-17508-5	S-2 (2.5')	Total/NA	Solid	8021B	31191
880-17508-6	S-2 (3.5')	Total/NA	Solid	8021B	31191

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QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 31253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-7	S-2 (4.5')	Total/NA	Solid	8021B	31191
880-17508-32	H-8 (0-0.5')	Total/NA	Solid	8021B	31290
MB 880-31191/5-A	Method Blank	Total/NA	Solid	8021B	31191
MB 880-31290/5-A	Method Blank	Total/NA	Solid	8021B	31290
LCS 880-31191/1-A	Lab Control Sample	Total/NA	Solid	8021B	31191
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	8021B	31290
LCSD 880-31191/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31191
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31290
880-17507-A-2-E MS	Matrix Spike	Total/NA	Solid	8021B	31191
880-17507-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31191
880-17508-3 MS	S-2 (0-1')	Total/NA	Solid	8021B	31290
880-17508-3 MSD	S-2 (0-1')	Total/NA	Solid	8021B	31290

Prep Batch: 31290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-3	S-2 (0-1')	Total/NA	Solid	5035	
880-17508-32	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-31290/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17508-3 MS	S-2 (0-1')	Total/NA	Solid	5035	
880-17508-3 MSD	S-2 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 31322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Total/NA	Solid	8021B	31196
880-17508-2	S-1 (1.5')	Total/NA	Solid	8021B	31196
MB 880-31196/5-A	Method Blank	Total/NA	Solid	8021B	31196
LCS 880-31196/1-A	Lab Control Sample	Total/NA	Solid	8021B	31196
LCSD 880-31196/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31196
880-17508-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	31196
880-17508-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	31196

Analysis Batch: 31343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-17508-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-17508-3	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-17508-4	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-17508-5	S-2 (2.5')	Total/NA	Solid	Total BTEX	
880-17508-6	S-2 (3.5')	Total/NA	Solid	Total BTEX	
880-17508-7	S-2 (4.5')	Total/NA	Solid	Total BTEX	
880-17508-8	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-17508-9	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-17508-10	S-3 (2.5')	Total/NA	Solid	Total BTEX	
880-17508-11	S-3 (3.5')	Total/NA	Solid	Total BTEX	
880-17508-12	S-3 (4.5')	Total/NA	Solid	Total BTEX	
880-17508-13	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-17508-14	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-17508-15	S-4 (2.5')	Total/NA	Solid	Total BTEX	
880-17508-16	S-4 (3.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 31343 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-17	S-4 (4.5')	Total/NA	Solid	Total BTEX	
880-17508-18	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-17508-19	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-17508-20	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-17508-21	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-17508-22	S-6 (2.5')	Total/NA	Solid	Total BTEX	
880-17508-23	S-6 (3.5')	Total/NA	Solid	Total BTEX	
880-17508-24	S-6 (4.5')	Total/NA	Solid	Total BTEX	
880-17508-25	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17508-26	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17508-27	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17508-28	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17508-29	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17508-30	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17508-31	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17508-32	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 31013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-21	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-17508-22	S-6 (2.5')	Total/NA	Solid	8015NM Prep	
880-17508-23	S-6 (3.5')	Total/NA	Solid	8015NM Prep	
880-17508-24	S-6 (4.5')	Total/NA	Solid	8015NM Prep	
880-17508-25	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17508-26	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17508-27	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17508-28	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17508-29	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17508-30	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17508-31	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17508-32	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-31013/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31013/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17511-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-17511-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 31014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-17508-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-17508-3	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-17508-4	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-17508-5	S-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-17508-6	S-2 (3.5')	Total/NA	Solid	8015NM Prep	
880-17508-7	S-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-17508-8	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-17508-9	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-17508-10	S-3 (2.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 31014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-11	S-3 (3.5')	Total/NA	Solid	8015NM Prep	
880-17508-12	S-3 (4.5')	Total/NA	Solid	8015NM Prep	
880-17508-13	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-17508-14	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-17508-15	S-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-17508-16	S-4 (3.5')	Total/NA	Solid	8015NM Prep	
880-17508-17	S-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-17508-18	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-17508-19	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-17508-20	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-31014/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31014/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31014/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17508-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-17508-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-21	S-6 (1.5')	Total/NA	Solid	8015B NM	31013
880-17508-22	S-6 (2.5')	Total/NA	Solid	8015B NM	31013
880-17508-23	S-6 (3.5')	Total/NA	Solid	8015B NM	31013
880-17508-24	S-6 (4.5')	Total/NA	Solid	8015B NM	31013
880-17508-25	H-1 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17508-26	H-2 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17508-27	H-3 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17508-28	H-4 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17508-29	H-5 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17508-30	H-6 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17508-31	H-7 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17508-32	H-8 (0-0.5')	Total/NA	Solid	8015B NM	31013
MB 880-31013/1-A	Method Blank	Total/NA	Solid	8015B NM	31013
LCS 880-31013/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31013
LCSD 880-31013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31013
880-17511-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	31013
880-17511-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	31013

Analysis Batch: 31085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Total/NA	Solid	8015B NM	31014
880-17508-2	S-1 (1.5')	Total/NA	Solid	8015B NM	31014
880-17508-3	S-2 (0-1')	Total/NA	Solid	8015B NM	31014
880-17508-4	S-2 (1.5')	Total/NA	Solid	8015B NM	31014
880-17508-5	S-2 (2.5')	Total/NA	Solid	8015B NM	31014
880-17508-6	S-2 (3.5')	Total/NA	Solid	8015B NM	31014
880-17508-7	S-2 (4.5')	Total/NA	Solid	8015B NM	31014
880-17508-8	S-3 (0-1')	Total/NA	Solid	8015B NM	31014
880-17508-9	S-3 (1.5')	Total/NA	Solid	8015B NM	31014
880-17508-10	S-3 (2.5')	Total/NA	Solid	8015B NM	31014
880-17508-11	S-3 (3.5')	Total/NA	Solid	8015B NM	31014
880-17508-12	S-3 (4.5')	Total/NA	Solid	8015B NM	31014
880-17508-13	S-4 (0-1')	Total/NA	Solid	8015B NM	31014

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 31085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-14	S-4 (1.5')	Total/NA	Solid	8015B NM	31014
880-17508-15	S-4 (2.5')	Total/NA	Solid	8015B NM	31014
880-17508-16	S-4 (3.5')	Total/NA	Solid	8015B NM	31014
880-17508-17	S-4 (4.5')	Total/NA	Solid	8015B NM	31014
880-17508-18	S-5 (0-1')	Total/NA	Solid	8015B NM	31014
880-17508-19	S-5 (1.5')	Total/NA	Solid	8015B NM	31014
880-17508-20	S-6 (0-1')	Total/NA	Solid	8015B NM	31014
MB 880-31014/1-A	Method Blank	Total/NA	Solid	8015B NM	31014
LCS 880-31014/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31014
LCSD 880-31014/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31014
880-17508-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	31014
880-17508-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	31014

Analysis Batch: 31117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-17508-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-17508-3	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-17508-4	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-17508-5	S-2 (2.5')	Total/NA	Solid	8015 NM	
880-17508-6	S-2 (3.5')	Total/NA	Solid	8015 NM	
880-17508-7	S-2 (4.5')	Total/NA	Solid	8015 NM	
880-17508-8	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-17508-9	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-17508-10	S-3 (2.5')	Total/NA	Solid	8015 NM	
880-17508-11	S-3 (3.5')	Total/NA	Solid	8015 NM	
880-17508-12	S-3 (4.5')	Total/NA	Solid	8015 NM	
880-17508-13	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-17508-14	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-17508-15	S-4 (2.5')	Total/NA	Solid	8015 NM	
880-17508-16	S-4 (3.5')	Total/NA	Solid	8015 NM	
880-17508-17	S-4 (4.5')	Total/NA	Solid	8015 NM	
880-17508-18	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-17508-19	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-17508-20	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-17508-21	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-17508-22	S-6 (2.5')	Total/NA	Solid	8015 NM	
880-17508-23	S-6 (3.5')	Total/NA	Solid	8015 NM	
880-17508-24	S-6 (4.5')	Total/NA	Solid	8015 NM	
880-17508-25	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-17508-26	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-17508-27	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-17508-28	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-17508-29	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-17508-30	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-17508-31	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-17508-32	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 31001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-17508-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-17508-3	S-2 (0-1')	Soluble	Solid	DI Leach	
880-17508-4	S-2 (1.5')	Soluble	Solid	DI Leach	
880-17508-5	S-2 (2.5')	Soluble	Solid	DI Leach	
880-17508-6	S-2 (3.5')	Soluble	Solid	DI Leach	
880-17508-7	S-2 (4.5')	Soluble	Solid	DI Leach	
880-17508-8	S-3 (0-1')	Soluble	Solid	DI Leach	
880-17508-9	S-3 (1.5')	Soluble	Solid	DI Leach	
880-17508-10	S-3 (2.5')	Soluble	Solid	DI Leach	
880-17508-11	S-3 (3.5')	Soluble	Solid	DI Leach	
880-17508-12	S-3 (4.5')	Soluble	Solid	DI Leach	
880-17508-13	S-4 (0-1')	Soluble	Solid	DI Leach	
880-17508-14	S-4 (1.5')	Soluble	Solid	DI Leach	
880-17508-15	S-4 (2.5')	Soluble	Solid	DI Leach	
880-17508-16	S-4 (3.5')	Soluble	Solid	DI Leach	
880-17508-17	S-4 (4.5')	Soluble	Solid	DI Leach	
880-17508-18	S-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-31001/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31001/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31001/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17507-A-15-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17507-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-17508-9 MS	S-3 (1.5')	Soluble	Solid	DI Leach	
880-17508-9 MSD	S-3 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 31003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-19	S-5 (1.5')	Soluble	Solid	DI Leach	
880-17508-20	S-6 (0-1')	Soluble	Solid	DI Leach	
880-17508-21	S-6 (1.5')	Soluble	Solid	DI Leach	
880-17508-22	S-6 (2.5')	Soluble	Solid	DI Leach	
880-17508-23	S-6 (3.5')	Soluble	Solid	DI Leach	
880-17508-24	S-6 (4.5')	Soluble	Solid	DI Leach	
880-17508-25	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-26	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-27	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-28	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-29	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-30	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-31	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-32	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-31003/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31003/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31003/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17508-19 MS	S-5 (1.5')	Soluble	Solid	DI Leach	
880-17508-19 MSD	S-5 (1.5')	Soluble	Solid	DI Leach	
880-17508-29 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-29 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 31307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-19	S-5 (1.5')	Soluble	Solid	300.0	31003
880-17508-20	S-6 (0-1')	Soluble	Solid	300.0	31003
880-17508-21	S-6 (1.5')	Soluble	Solid	300.0	31003
880-17508-22	S-6 (2.5')	Soluble	Solid	300.0	31003
880-17508-23	S-6 (3.5')	Soluble	Solid	300.0	31003
880-17508-24	S-6 (4.5')	Soluble	Solid	300.0	31003
880-17508-25	H-1 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-26	H-2 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-27	H-3 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-28	H-4 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-29	H-5 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-30	H-6 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-31	H-7 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-32	H-8 (0-0.5')	Soluble	Solid	300.0	31003
MB 880-31003/1-A	Method Blank	Soluble	Solid	300.0	31003
LCS 880-31003/2-A	Lab Control Sample	Soluble	Solid	300.0	31003
LCSD 880-31003/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31003
880-17508-19 MS	S-5 (1.5')	Soluble	Solid	300.0	31003
880-17508-19 MSD	S-5 (1.5')	Soluble	Solid	300.0	31003
880-17508-29 MS	H-5 (0-0.5')	Soluble	Solid	300.0	31003
880-17508-29 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	31003

Analysis Batch: 31312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17508-1	S-1 (0-1')	Soluble	Solid	300.0	31001
880-17508-2	S-1 (1.5')	Soluble	Solid	300.0	31001
880-17508-3	S-2 (0-1')	Soluble	Solid	300.0	31001
880-17508-4	S-2 (1.5')	Soluble	Solid	300.0	31001
880-17508-5	S-2 (2.5')	Soluble	Solid	300.0	31001
880-17508-6	S-2 (3.5')	Soluble	Solid	300.0	31001
880-17508-7	S-2 (4.5')	Soluble	Solid	300.0	31001
880-17508-8	S-3 (0-1')	Soluble	Solid	300.0	31001
880-17508-9	S-3 (1.5')	Soluble	Solid	300.0	31001
880-17508-10	S-3 (2.5')	Soluble	Solid	300.0	31001
880-17508-11	S-3 (3.5')	Soluble	Solid	300.0	31001
880-17508-12	S-3 (4.5')	Soluble	Solid	300.0	31001
880-17508-13	S-4 (0-1')	Soluble	Solid	300.0	31001
880-17508-14	S-4 (1.5')	Soluble	Solid	300.0	31001
880-17508-15	S-4 (2.5')	Soluble	Solid	300.0	31001
880-17508-16	S-4 (3.5')	Soluble	Solid	300.0	31001
880-17508-17	S-4 (4.5')	Soluble	Solid	300.0	31001
880-17508-18	S-5 (0-1')	Soluble	Solid	300.0	31001
MB 880-31001/1-A	Method Blank	Soluble	Solid	300.0	31001
LCS 880-31001/2-A	Lab Control Sample	Soluble	Solid	300.0	31001
LCSD 880-31001/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31001
880-17507-A-15-B MS	Matrix Spike	Soluble	Solid	300.0	31001
880-17507-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	31001
880-17508-9 MS	S-3 (1.5')	Soluble	Solid	300.0	31001
880-17508-9 MSD	S-3 (1.5')	Soluble	Solid	300.0	31001

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17508-1

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31196	08/01/22 14:48	MR	EETSC MID
Total/NA	Analysis	8021B		1			31322	08/02/22 21:35	MR	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	07/31/22 21:15	SM	EETSC MII
Soluble	Leach	DI Leach			5.03 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		10			31312	08/03/22 21:10	CH	EETSC MII

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17508-2

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31196	08/01/22 14:48	MR	EETSC MID
Total/NA	Analysis	8021B		1			31322	08/02/22 22:01	MR	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	07/31/22 22:20	SM	EETSC MII
Soluble	Leach	DI Leach			4.98 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		10			31312	08/04/22 13:15	CH	EETSC MII

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

Lab Sample ID: 880-17508-3

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31290	08/02/22 09:44	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/02/22 12:34	MR	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	07/31/22 22:41	SM	EETSC MII
Soluble	Leach	DI Leach			5.01 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		10			31312	08/04/22 13:23	CH	EETSC MII

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17508-4

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 05:41	MR	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17508-4

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			31117	07/31/22 10:33	AJ	EETSC MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	07/31/22 23:03	SM	EETSC MII
Soluble	Leach	DI Leach			4.95 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		20			31312	08/03/22 21:36	CH	EETSC MII

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-17508-5

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 06:01	MR	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	07/31/22 23:24	SM	EETSC MII
Soluble	Leach	DI Leach			5.03 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		1			31312	08/03/22 21:44	CH	EETSC MII

Client Sample ID: S-2 (3.5')

Lab Sample ID: 880-17508-6

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 06:22	MR	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	07/31/22 23:46	SM	EETSC MII
Soluble	Leach	DI Leach			5 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		1			31312	08/03/22 21:52	CH	EETSC MII

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17508-7

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 06:42	MR	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 00:07	SM	EETSC MII

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (4.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-7

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			4.95 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MID
Soluble	Analysis	300.0		1			31312	08/03/22 22:00	CH	EETSC MIE

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-8

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			5.02 g	5 mL	31189	08/01/22 12:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/02/22 18:59	AJ	EETSC MIE
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIE
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIE
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31014	07/29/22 13:53	DM	EETSC MIE
Total/NA	Analysis	8015B NM		1			31085	08/01/22 00:28	SM	EETSC MIE
Soluble	Leach	DI Leach			5.02 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MIE
Soluble	Analysis	300.0		10			31312	08/03/22 22:08	CH	EETSC MIE

Client Sample ID: S-3 (1.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-9

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			5.03 g	5 mL	31189	08/01/22 12:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/02/22 19:20	AJ	EETSC MIE
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIE
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIE
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31014	07/29/22 13:53	DM	EETSC MIE
Total/NA	Analysis	8015B NM		1			31085	08/01/22 00:50	SM	EETSC MIE
Soluble	Leach	DI Leach			4.98 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MIE
Soluble	Analysis	300.0		10			31312	08/03/22 22:15	CH	EETSC MIE

Client Sample ID: S-3 (2.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-10

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			5.01 g	5 mL	31189	08/01/22 12:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/02/22 19:41	AJ	EETSC MIE
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIE
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIE
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31014	07/29/22 13:53	DM	EETSC MIE
Total/NA	Analysis	8015B NM		1			31085	08/01/22 01:11	SM	EETSC MIE
Soluble	Leach	DI Leach			4.99 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MIE
Soluble	Analysis	300.0		10			31312	08/03/22 22:39	CH	EETSC MIE

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-17508-11

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31189	08/01/22 12:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/02/22 20:01	AJ	EETSC MIE
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIE
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIE
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31014	07/29/22 13:53	DM	EETSC MIE
Total/NA	Analysis	8015B NM		1			31085	08/01/22 01:53	SM	EETSC MIE
Soluble	Leach	DI Leach			5.01 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MIE
Soluble	Analysis	300.0		1			31312	08/04/22 13:30	CH	EETSC MIE

Client Sample ID: S-3 (4.5')

Lab Sample ID: 880-17508-12

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/02/22 23:49	AJ	EETSC MIE
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIE
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIE
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31014	07/29/22 13:53	DM	EETSC MIE
Total/NA	Analysis	8015B NM		1			31085	08/01/22 02:14	SM	EETSC MIE
Soluble	Leach	DI Leach			4.97 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MIE
Soluble	Analysis	300.0		1			31312	08/03/22 23:10	CH	EETSC MIE

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

Lab Sample ID: 880-17508-13

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 00:10	AJ	EETSC MIE
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIE
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIE
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31014	07/29/22 13:53	DM	EETSC MIE
Total/NA	Analysis	8015B NM		1			31085	08/01/22 02:35	SM	EETSC MIE
Soluble	Leach	DI Leach			5.01 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MIE
Soluble	Analysis	300.0		10			31312	08/03/22 23:18	CH	EETSC MIE

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-17508-14

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 00:31	AJ	EETSC MIE
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIE

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-17508-14

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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			31117	07/31/22 10:33	AJ	EETSC MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 02:56	SM	EETSC MII
Soluble	Leach	DI Leach			5.02 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		1			31312	08/04/22 13:38	CH	EETSC MII

Client Sample ID: S-4 (2.5')

Lab Sample ID: 880-17508-15

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 00:51	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 03:17	SM	EETSC MII
Soluble	Leach	DI Leach			4.95 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		20			31312	08/03/22 23:34	CH	EETSC MII

Client Sample ID: S-4 (3.5')

Lab Sample ID: 880-17508-16

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 01:12	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 03:39	SM	EETSC MII
Soluble	Leach	DI Leach			5.01 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		20			31312	08/03/22 23:42	CH	EETSC MII

Client Sample ID: S-4 (4.5')

Lab Sample ID: 880-17508-17

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 09:49

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 01:33	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 04:00	SM	EETSC MII

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (4.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MID
Soluble	Analysis	300.0		1			31312	08/03/22 23:50	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-18

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			4.96 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 01:54	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 04:21	SM	EETSC MII
Soluble	Leach	DI Leach			4.95 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MII
Soluble	Analysis	300.0		10			31312	08/03/22 23:57	CH	EETSC MII

Client Sample ID: S-5 (1.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 02:14	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 04:42	SM	EETSC MII
Soluble	Leach	DI Leach			5.03 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		10			31307	08/03/22 03:16	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 02:35	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31014	07/29/22 13:53	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31085	08/01/22 05:03	SM	EETSC MII
Soluble	Leach	DI Leach			5.05 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		1			31307	08/03/22 03:40	CH	EETSC MII

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (1.5')
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 02:56	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/30/22 23:50	AJ	EETSC MII
Soluble	Leach	DI Leach			5.02 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		10			31307	08/03/22 03:47	CH	EETSC MII

Client Sample ID: S-6 (2.5')
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 04:20	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 00:11	AJ	EETSC MII
Soluble	Leach	DI Leach			5 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		10			31307	08/03/22 03:55	CH	EETSC MII

Client Sample ID: S-6 (3.5')
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 04:41	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 00:32	AJ	EETSC MII
Soluble	Leach	DI Leach			5.04 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		10			31307	08/03/22 10:20	CH	EETSC MII

Client Sample ID: S-6 (4.5')
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 05:02	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (4.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-24

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			31117	07/31/22 10:33	AJ	EETSC MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 00:53	AJ	EETSC MII
Soluble	Leach	DI Leach			5.05 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		5			31307	08/03/22 04:27	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 05:23	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 01:35	AJ	EETSC MII
Soluble	Leach	DI Leach			4.99 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		1			31307	08/03/22 04:35	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-26

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 05:43	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 01:57	AJ	EETSC MII
Soluble	Leach	DI Leach			5.03 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		1			31307	08/03/22 04:42	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-27

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			5.01 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 06:04	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 02:18	AJ	EETSC MII

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-27

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			5.02 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MID
Soluble	Analysis	300.0		1			31307	08/03/22 04:50	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-28

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 06:25	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 02:39	AJ	EETSC MII
Soluble	Leach	DI Leach			5 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		1			31307	08/03/22 04:58	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-29

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 06:45	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 03:00	AJ	EETSC MII
Soluble	Leach	DI Leach			4.96 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		1			31307	08/03/22 05:06	CH	EETSC MII

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-30

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	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 07:06	AJ	EETSC MII
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MII
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MII
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31013	07/29/22 13:50	DM	EETSC MII
Total/NA	Analysis	8015B NM		1			31049	07/31/22 03:22	AJ	EETSC MII
Soluble	Leach	DI Leach			4.98 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MII
Soluble	Analysis	300.0		1			31307	08/03/22 05:29	CH	EETSC MII

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Client Sample ID: H-7 (0-0.5')
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31192	08/01/22 13:09	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31250	08/03/22 07:27	AJ	EETSC MIL
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIL
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31013	07/29/22 13:50	DM	EETSC MIL
Total/NA	Analysis	8015B NM		1			31049	07/31/22 03:43	AJ	EETSC MIL
Soluble	Leach	DI Leach			5.03 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MIL
Soluble	Analysis	300.0		1			31307	08/03/22 05:37	CH	EETSC MIL

Client Sample ID: H-8 (0-0.5')
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:49

Lab Sample ID: 880-17508-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31290	08/02/22 09:44	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/02/22 12:55	MR	EETSC MIL
Total/NA	Analysis	Total BTEX		1			31343	08/02/22 16:31	SM	EETSC MIL
Total/NA	Analysis	8015 NM		1			31117	07/31/22 10:33	AJ	EETSC MIL
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31013	07/29/22 13:50	DM	EETSC MIL
Total/NA	Analysis	8015B NM		1			31049	07/31/22 04:04	AJ	EETSC MIL
Soluble	Leach	DI Leach			5 g	50 mL	31003	07/29/22 11:39	SMC	EETSC MIL
Soluble	Analysis	300.0		1			31307	08/03/22 06:01	CH	EETSC MIL

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

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

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

Sample Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-17508-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17508-1	S-1 (0-1')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-2	S-1 (1.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-3	S-2 (0-1')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-4	S-2 (1.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-5	S-2 (2.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-6	S-2 (3.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-7	S-2 (4.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-8	S-3 (0-1')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-9	S-3 (1.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-10	S-3 (2.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-11	S-3 (3.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-12	S-3 (4.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-13	S-4 (0-1')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-14	S-4 (1.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-15	S-4 (2.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-16	S-4 (3.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-17	S-4 (4.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-18	S-5 (0-1')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-19	S-5 (1.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-20	S-6 (0-1')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-21	S-6 (1.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-22	S-6 (2.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-23	S-6 (3.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-24	S-6 (4.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-25	H-1 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-26	H-2 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-27	H-3 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-28	H-4 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-29	H-5 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-30	H-6 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-31	H-7 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49
880-17508-32	H-8 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:49

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Work Order No: 17508

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Project Manager	Ashton Thielke	Bill to: (if different)	Jacqui Harris
Company Name	Carmora Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-5347	Email	Jacqui.harris@cornocphillips.com

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

Project Name	Graham Cracker 2 State Com 001H	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	1107	Due Date	72 Hr													None NO	DI Water H ₂ O
Project Location	Eddy Co. NM															Cool Cool	MeOH Me
Sampler's Name	AT															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	Yes	No										NaHSO ₄ NABIS	
Cooler Custody Seals	Yes	No		Temperature Factor	Yes	No										Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes	No		Temperature Reading	Yes	No										Zn Acetate+NaOH Zn	
Total Containers				Corrected Temperature	Yes	No										NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Analysis Results										Sample Comments			
							PH	TPH	TOC	DOC	NO3	NO2	Ammonia	PO4	Fe	Cu		Pb		
S-1 (0-1')	7/28/2022		X		G	1	X	X	X											
S-1 (1-5')	7/28/2022		X		G	1	X	X	X											
S-2 (0-1')	7/28/2022		X		G	1	X	X	X											
S-2 (1-5')	7/28/2022		X		G	1	X	X	X											
S-2 (2-5')	7/28/2022		X		G	1	X	X	X											
S-2 (3-5')	7/28/2022		X		G	1	X	X	X											
S-2 (4-5')	7/28/2022		X		G	1	X	X	X											
S-3 (0-1')	7/28/2022		X		G	1	X	X	X											
S-3 (1-5')	7/28/2022		X		G	1	X	X	X											
S-3 (2-5')	7/28/2022		X		G	1	X	X	X											



880-17508 Chain of Custody



880-17508 Chain of Custody

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
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		9:49			

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Work Order No: 17508

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Project Manager	Ashton Thielke	Bill to: (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone	432-813-5347	Email:	jacqui.harris@conocophillips.com

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

Project Name	Graham Cracker 2 State Com 001H	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes				
Project Number	1107	Due Date	72 Hr													None NO	DI Water H ₂ O			
Project Location	Eddy Co. NM															Cool Cool	MeOH Me			
Sampler's Name	AT															HCL HC	HNO ₃ HN			
PO #																H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT	Temp Blank	Yes	No	Yes	No	Wet Ice	Yes	No											H ₃ PO ₄ HP	
	Received Intact	Yes	No	Thermometer ID															NaHSO ₄ NABIS	
	Cooler Custody Seals	Yes	No	Correction Factor															Na ₂ S ₂ O ₃ NaSO ₃	
	Sample Custody Seals	Yes	No	Temperature Reading															Zn Acetate+NaOH Zn	
	Total Containers			Corrected Temperature															NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/	# of											Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Work Order No: 17509

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Project Manager	Ashton Thielke	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-5347	Email	jacqui.harris@conocophillips.com

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

Project Name	Graham Cracker 2 State Com 001H	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	1107	☐ Routine ☒ Rush															None NO	DI Water H ₂ O
Project Location	Eddy Co. NM	Due Date	72 Hr														Cool Cool	MeOH Me
Sampler's Name	AT	TAT starts the day received by the lab if received by 4:30pm															HCL HC	HNO ₃ HN
PO #:																	H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Thermometer ID	Yes No	Wet Ice	Yes No											H ₃ PO ₄ HP	
Received intact:	Yes No		Correction Factor														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No N/A		Temperature Reading														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No N/A		Corrected Temperature														Zn Acetate+NaOH Zn	
Total Containers:																	NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
S-6 (1 5')	7/28/2022		X		G	1	BTEX 8021B													
S-6 (2 5')	7/28/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)													
S-6 (3 5')	7/28/2022		X		G	1	Chloride 300.0													
S-6 (4 5')	7/28/2022		X		G	1														
H-1 (0-0 5')	7/28/2022		X		G	1														
H-2 (0-0 5')	7/28/2022		X		G	1														
H-3 (0-0 5')	7/28/2022		X		G	1														
H-4 (0-0 5')	7/28/2022		X		G	1														
H-5 (0-0 5')	7/28/2022		X		G	1														
H-6 (0-0 5')	7/28/2022		X		G	1														

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		7/29/22			
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[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-17508-1

SDG Number: Eddy Co, NM

Login Number: 17508

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 America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-19604-1

Laboratory Sample Delivery Group: Eddy County, New Mexico
Client Project/Site: Graham Cracker 2 State Com 001H
(07.09.22)

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:
9/30/2022 11:48:20 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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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: Graham Cracker 2 State Com 001H (07.09.22)

Laboratory Job ID: 880-19604-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD 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
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: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Job ID: 880-19604-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19604-1

Receipt

The samples were received on 9/23/2022 4:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-35346/1-A) and (LCSD 880-35346/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-19603-A-22-B MS) and (880-19603-A-22-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-19604-1), T-1 (1.5') (880-19604-2), T-1 (2') (880-19604-3), T-1 (3') (880-19604-4) and (880-19603-A-22-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: LCSD biased high. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-35346/2-A)

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-35346 and analytical batch 880-35345 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (0-1') (880-19604-5), T-2 (1.5') (880-19604-6), T-2 (2') (880-19604-7), T-2 (3') (880-19604-8), T-2 (4') (880-19604-9), T-2 (5') (880-19604-10), T-2 (6') (880-19604-11), T-2 (7') (880-19604-12), T-2 (8') (880-19604-13) and T-3 (0-1') (880-19604-14). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35431 and analytical batch 880-35712 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: Surrogate recovery for the following samples were outside control limits: (880-19604-A-1-F MS) and (880-19604-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-35347 and analytical batch 880-35337 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-4 (0-1') (880-19604-22) and T-4 (1.5') (880-19604-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35370 and analytical batch 880-35428 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.

Case Narrative

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Job ID: 880-19604-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35369 and analytical batch 880-35429 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-19604-1

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 13:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/22 08:15	09/26/22 13:15	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		09/26/22 08:15	09/26/22 13:15	1
m-Xylene & p-Xylene	<0.00396	U *	0.00396		mg/Kg		09/26/22 08:15	09/26/22 13:15	1
o-Xylene	<0.00198	U *	0.00198		mg/Kg		09/26/22 08:15	09/26/22 13:15	1
Xylenes, Total	<0.00396	U *	0.00396		mg/Kg		09/26/22 08:15	09/26/22 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130	09/26/22 08:15	09/26/22 13:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/26/22 08:15	09/26/22 13:15	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 11:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 11:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	09/26/22 08:22	09/26/22 11:08	1
o-Terphenyl	83		70 - 130	09/26/22 08:22	09/26/22 11:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12100	F1	249		mg/Kg			09/27/22 06:01	50

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-19604-2

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 13:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 13:36	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		09/26/22 08:15	09/26/22 13:36	1
m-Xylene & p-Xylene	<0.00401	U *	0.00401		mg/Kg		09/26/22 08:15	09/26/22 13:36	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		09/26/22 08:15	09/26/22 13:36	1
Xylenes, Total	<0.00401	U *	0.00401		mg/Kg		09/26/22 08:15	09/26/22 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	09/26/22 08:15	09/26/22 13:36	1
1,4-Difluorobenzene (Surr)	122		70 - 130	09/26/22 08:15	09/26/22 13:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-19604-2

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	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			09/27/22 10:34	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 *1	49.8		mg/Kg		09/26/22 08:22	09/26/22 12:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 12:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				09/26/22 08:22	09/26/22 12:13	1
o-Terphenyl	89		70 - 130				09/26/22 08:22	09/26/22 12:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12200		99.2		mg/Kg			09/27/22 06:16	20

Client Sample ID: T-1 (2')

Lab Sample ID: 880-19604-3

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 13:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 13:56	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		09/26/22 08:15	09/26/22 13:56	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		09/26/22 08:15	09/26/22 13:56	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		09/26/22 08:15	09/26/22 13:56	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		09/26/22 08:15	09/26/22 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				09/26/22 08:15	09/26/22 13:56	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/26/22 08:15	09/26/22 13:56	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/26/22 08:22	09/26/22 12:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 12:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-19604-3

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:22	09/26/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/26/22 08:22	09/26/22 12:34	1
o-Terphenyl	102		70 - 130				09/26/22 08:22	09/26/22 12:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		24.9		mg/Kg			09/27/22 06:21	5

Client Sample ID: T-1 (3')

Lab Sample ID: 880-19604-4

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 14:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 08:15	09/26/22 14:17	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		09/26/22 08:15	09/26/22 14:17	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		09/26/22 08:15	09/26/22 14:17	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		09/26/22 08:15	09/26/22 14:17	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		09/26/22 08:15	09/26/22 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				09/26/22 08:15	09/26/22 14:17	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/26/22 08:15	09/26/22 14:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 17:16	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			09/27/22 10:34	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 *1	49.8		mg/Kg		09/26/22 08:22	09/26/22 12:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 12:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/26/22 08:22	09/26/22 12:56	1
o-Terphenyl	101		70 - 130				09/26/22 08:22	09/26/22 12:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.01		mg/Kg			09/27/22 06:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-19604-5

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 15:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 15:41	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		09/26/22 08:15	09/26/22 15:41	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		09/26/22 08:15	09/26/22 15:41	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		09/26/22 08:15	09/26/22 15:41	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		09/26/22 08:15	09/26/22 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130	09/26/22 08:15	09/26/22 15:41	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/26/22 08:15	09/26/22 15:41	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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	131		50.0		mg/Kg			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 13:18	1
Diesel Range Organics (Over C10-C28)	131		50.0		mg/Kg		09/26/22 08:22	09/26/22 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	09/26/22 08:22	09/26/22 13:18	1
o-Terphenyl	90		70 - 130	09/26/22 08:22	09/26/22 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23300		252		mg/Kg			09/27/22 06:30	50

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-19604-6

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 16:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/22 08:15	09/26/22 16:02	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		09/26/22 08:15	09/26/22 16:02	1
m-Xylene & p-Xylene	<0.00404	U *	0.00404		mg/Kg		09/26/22 08:15	09/26/22 16:02	1
o-Xylene	<0.00202	U *	0.00202		mg/Kg		09/26/22 08:15	09/26/22 16:02	1
Xylenes, Total	<0.00404	U *	0.00404		mg/Kg		09/26/22 08:15	09/26/22 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130	09/26/22 08:15	09/26/22 16:02	1
1,4-Difluorobenzene (Surr)	117		70 - 130	09/26/22 08:15	09/26/22 16:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-19604-6

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	149		50.0		mg/Kg			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 13:40	1
Diesel Range Organics (Over C10-C28)	149		50.0		mg/Kg		09/26/22 08:22	09/26/22 13:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				09/26/22 08:22	09/26/22 13:40	1
o-Terphenyl	99		70 - 130				09/26/22 08:22	09/26/22 13:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25900		251		mg/Kg			09/27/22 06:45	50

Client Sample ID: T-2 (2')

Lab Sample ID: 880-19604-7

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 16:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 08:15	09/26/22 16:23	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		09/26/22 08:15	09/26/22 16:23	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		09/26/22 08:15	09/26/22 16:23	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		09/26/22 08:15	09/26/22 16:23	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		09/26/22 08:15	09/26/22 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130				09/26/22 08:15	09/26/22 16:23	1
1,4-Difluorobenzene (Surr)	112		70 - 130				09/26/22 08:15	09/26/22 16:23	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			09/26/22 17:16	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			09/27/22 10:34	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 *1	49.8		mg/Kg		09/26/22 08:22	09/26/22 14:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 14:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-19604-7

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/26/22 08:22	09/26/22 14:01	1
o-Terphenyl	109		70 - 130				09/26/22 08:22	09/26/22 14:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12900		250		mg/Kg			09/27/22 06:50	50

Client Sample ID: T-2 (3')

Lab Sample ID: 880-19604-8

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 16:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 16:44	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		09/26/22 08:15	09/26/22 16:44	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		09/26/22 08:15	09/26/22 16:44	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		09/26/22 08:15	09/26/22 16:44	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		09/26/22 08:15	09/26/22 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130				09/26/22 08:15	09/26/22 16:44	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130				09/26/22 08:15	09/26/22 16:44	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/26/22 08:22	09/26/22 14:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 14:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/26/22 08:22	09/26/22 14:23	1
o-Terphenyl	107		70 - 130				09/26/22 08:22	09/26/22 14:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14600		250		mg/Kg			09/27/22 06:55	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-19604-9

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 17:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/22 08:15	09/26/22 17:04	1
Ethylbenzene	<0.00202	U **	0.00202		mg/Kg		09/26/22 08:15	09/26/22 17:04	1
m-Xylene & p-Xylene	<0.00403	U **	0.00403		mg/Kg		09/26/22 08:15	09/26/22 17:04	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		09/26/22 08:15	09/26/22 17:04	1
Xylenes, Total	<0.00403	U **	0.00403		mg/Kg		09/26/22 08:15	09/26/22 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	09/26/22 08:15	09/26/22 17:04	1
1,4-Difluorobenzene (Surr)	120		70 - 130	09/26/22 08:15	09/26/22 17:04	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 14:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 14:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	09/26/22 08:22	09/26/22 14:45	1
o-Terphenyl	108		70 - 130	09/26/22 08:22	09/26/22 14:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13600		250		mg/Kg			09/27/22 06:59	50

Client Sample ID: T-2 (5')

Lab Sample ID: 880-19604-10

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 17:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 17:25	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		09/26/22 08:15	09/26/22 17:25	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		09/26/22 08:15	09/26/22 17:25	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		09/26/22 08:15	09/26/22 17:25	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		09/26/22 08:15	09/26/22 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130	09/26/22 08:15	09/26/22 17:25	1
1,4-Difluorobenzene (Surr)	112		70 - 130	09/26/22 08:15	09/26/22 17:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (5')

Lab Sample ID: 880-19604-10

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 15:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 15:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				09/26/22 08:22	09/26/22 15:06	1
o-Terphenyl	83		70 - 130				09/26/22 08:22	09/26/22 15:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		49.7		mg/Kg			09/27/22 07:04	10

Client Sample ID: T-2 (6')

Lab Sample ID: 880-19604-11

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 17:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/22 08:15	09/26/22 17:46	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		09/26/22 08:15	09/26/22 17:46	1
m-Xylene & p-Xylene	<0.00396	U **	0.00396		mg/Kg		09/26/22 08:15	09/26/22 17:46	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		09/26/22 08:15	09/26/22 17:46	1
Xylenes, Total	<0.00396	U **	0.00396		mg/Kg		09/26/22 08:15	09/26/22 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130				09/26/22 08:15	09/26/22 17:46	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/26/22 08:15	09/26/22 17:46	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 15:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 15:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (6')

Lab Sample ID: 880-19604-11

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:22	09/26/22 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/26/22 08:22	09/26/22 15:49	1
o-Terphenyl	95		70 - 130				09/26/22 08:22	09/26/22 15:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		24.8		mg/Kg			09/27/22 07:09	5

Client Sample ID: T-2 (7')

Lab Sample ID: 880-19604-12

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 18:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 08:15	09/26/22 18:06	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		09/26/22 08:15	09/26/22 18:06	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		09/26/22 08:15	09/26/22 18:06	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		09/26/22 08:15	09/26/22 18:06	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		09/26/22 08:15	09/26/22 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130				09/26/22 08:15	09/26/22 18:06	1
1,4-Difluorobenzene (Surr)	108		70 - 130				09/26/22 08:15	09/26/22 18:06	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 16:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 16:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				09/26/22 08:22	09/26/22 16:11	1
o-Terphenyl	97		70 - 130				09/26/22 08:22	09/26/22 16:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.03		mg/Kg			09/27/22 07:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (8')

Lab Sample ID: 880-19604-13

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 18:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/22 08:15	09/26/22 18:27	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		09/26/22 08:15	09/26/22 18:27	1
m-Xylene & p-Xylene	<0.00397	U *	0.00397		mg/Kg		09/26/22 08:15	09/26/22 18:27	1
o-Xylene	<0.00198	U *	0.00198		mg/Kg		09/26/22 08:15	09/26/22 18:27	1
Xylenes, Total	<0.00397	U *	0.00397		mg/Kg		09/26/22 08:15	09/26/22 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130	09/26/22 08:15	09/26/22 18:27	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/26/22 08:15	09/26/22 18:27	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/26/22 08:22	09/26/22 16:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 16:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/26/22 08:22	09/26/22 16:32	1
o-Terphenyl	88		70 - 130	09/26/22 08:22	09/26/22 16:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.9		4.97		mg/Kg			09/27/22 07:28	1

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-19604-14

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:15	09/26/22 18:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 08:15	09/26/22 18:48	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		09/26/22 08:15	09/26/22 18:48	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		09/26/22 08:15	09/26/22 18:48	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		09/26/22 08:15	09/26/22 18:48	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		09/26/22 08:15	09/26/22 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	09/26/22 08:15	09/26/22 18:48	1
1,4-Difluorobenzene (Surr)	109		70 - 130	09/26/22 08:15	09/26/22 18:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-19604-14

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.0		49.9		mg/Kg			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/26/22 08:22	09/26/22 16:54	1
Diesel Range Organics (Over C10-C28)	89.0		49.9		mg/Kg		09/26/22 08:22	09/26/22 16:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/26/22 08:22	09/26/22 16:54	1
o-Terphenyl	92		70 - 130				09/26/22 08:22	09/26/22 16:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18700		249		mg/Kg			09/27/22 07:43	50

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-19604-15

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 04:07	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		09/26/22 15:56	09/30/22 04:07	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		09/26/22 15:56	09/30/22 04:07	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/26/22 15:56	09/30/22 04:07	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		09/26/22 15:56	09/30/22 04:07	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/26/22 15:56	09/30/22 04:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				09/26/22 15:56	09/30/22 04:07	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/26/22 15:56	09/30/22 04:07	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			09/26/22 17:16	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			09/27/22 10:34	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 *1	49.8		mg/Kg		09/26/22 08:22	09/26/22 17:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 17:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-19604-15

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/22 08:22	09/26/22 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/26/22 08:22	09/26/22 17:15	1
o-Terphenyl	88		70 - 130				09/26/22 08:22	09/26/22 17:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11300		251		mg/Kg			09/27/22 07:48	50

Client Sample ID: T-3 (2')

Lab Sample ID: 880-19604-16

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 04:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 04:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 04:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 04:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 04:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/26/22 15:56	09/30/22 04:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/26/22 15:56	09/30/22 04:27	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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	138		49.9		mg/Kg			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/26/22 08:22	09/26/22 17:36	1
Diesel Range Organics (Over C10-C28)	138		49.9		mg/Kg		09/26/22 08:22	09/26/22 17:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/26/22 08:22	09/26/22 17:36	1
o-Terphenyl	91		70 - 130				09/26/22 08:22	09/26/22 17:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24600		250		mg/Kg			09/27/22 07:53	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-19604-17

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 04:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/22 15:56	09/30/22 04:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/22 15:56	09/30/22 04:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/26/22 15:56	09/30/22 04:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/22 15:56	09/30/22 04:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/26/22 15:56	09/30/22 04:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/26/22 15:56	09/30/22 04:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/26/22 15:56	09/30/22 04:48	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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	207		49.9		mg/Kg			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/26/22 08:22	09/26/22 17:58	1
Diesel Range Organics (Over C10-C28)	207		49.9		mg/Kg		09/26/22 08:22	09/26/22 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	09/26/22 08:22	09/26/22 17:58	1
o-Terphenyl	105		70 - 130	09/26/22 08:22	09/26/22 17:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19700		252		mg/Kg			09/27/22 07:58	50

Client Sample ID: T-3 (4')

Lab Sample ID: 880-19604-18

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 05:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 05:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 05:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 05:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 05:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 05:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/26/22 15:56	09/30/22 05:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/26/22 15:56	09/30/22 05:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (4')

Lab Sample ID: 880-19604-18

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	111		50.0		mg/Kg			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 18:19	1
Diesel Range Organics (Over C10-C28)	111		50.0		mg/Kg		09/26/22 08:22	09/26/22 18:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				09/26/22 08:22	09/26/22 18:19	1
o-Terphenyl	92		70 - 130				09/26/22 08:22	09/26/22 18:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21100		250		mg/Kg			09/27/22 08:02	50

Client Sample ID: T-3 (5')

Lab Sample ID: 880-19604-19

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 05:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 05:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 05:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 05:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 05:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 05:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/26/22 15:56	09/30/22 05:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/26/22 15:56	09/30/22 05:30	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/26/22 08:22	09/26/22 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:22	09/26/22 18:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (5')

Lab Sample ID: 880-19604-19

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:22	09/26/22 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/26/22 08:22	09/26/22 18:41	1
o-Terphenyl	92		70 - 130				09/26/22 08:22	09/26/22 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		99.2		mg/Kg			09/27/22 08:07	20

Client Sample ID: T-3 (6')

Lab Sample ID: 880-19604-20

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 05:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 05:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 05:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/22 15:56	09/30/22 05:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 05:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/22 15:56	09/30/22 05:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/26/22 15:56	09/30/22 05:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130				09/26/22 15:56	09/30/22 05:50	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			09/26/22 17:16	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			09/27/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/26/22 08:22	09/26/22 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 19:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/26/22 08:22	09/26/22 19:02	1
o-Terphenyl	97		70 - 130				09/26/22 08:22	09/26/22 19:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3160		101		mg/Kg			09/27/22 08:12	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (7')

Lab Sample ID: 880-19604-21

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 06:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 06:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 06:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 06:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 06:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 06:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/26/22 15:56	09/30/22 06:11	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/26/22 15:56	09/30/22 06:11	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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 11:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 11:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	09/26/22 08:27	09/26/22 11:08	1
o-Terphenyl	87		70 - 130	09/26/22 08:27	09/26/22 11:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1		5.05		mg/Kg			09/27/22 03:12	1

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-19604-22

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 06:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 06:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 06:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 06:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 06:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/26/22 15:56	09/30/22 06:32	1
1,4-Difluorobenzene (Surr)	91		70 - 130	09/26/22 15:56	09/30/22 06:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-19604-22

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.3		49.8		mg/Kg			09/27/22 10:34	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		09/26/22 08:27	09/26/22 12:13	1
Diesel Range Organics (Over C10-C28)	52.3		49.8		mg/Kg		09/26/22 08:27	09/26/22 12:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/22 08:27	09/26/22 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				09/26/22 08:27	09/26/22 12:13	1
o-Terphenyl	66	S1-	70 - 130				09/26/22 08:27	09/26/22 12:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29400		251		mg/Kg			09/27/22 04:10	50

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-19604-23

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 06:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 06:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 06:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/22 15:56	09/30/22 06:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 06:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/22 15:56	09/30/22 06:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				09/26/22 15:56	09/30/22 06:52	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/26/22 15:56	09/30/22 06:52	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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 12:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 12:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-19604-23

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:27	09/26/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				09/26/22 08:27	09/26/22 12:34	1
o-Terphenyl	60	S1-	70 - 130				09/26/22 08:27	09/26/22 12:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18100		251		mg/Kg			09/27/22 03:26	50

Client Sample ID: T-4 (2')

Lab Sample ID: 880-19604-24

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 08:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 08:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 08:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 08:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 08:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 08:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				09/26/22 15:56	09/30/22 08:37	1
1,4-Difluorobenzene (Surr)	86		70 - 130				09/26/22 15:56	09/30/22 08:37	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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 12:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/22 08:27	09/26/22 12:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/22 08:27	09/26/22 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/26/22 08:27	09/26/22 12:56	1
o-Terphenyl	117		70 - 130				09/26/22 08:27	09/26/22 12:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18600		250		mg/Kg			09/27/22 03:31	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (3')

Lab Sample ID: 880-19604-25

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 08:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 08:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 08:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 08:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 08:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/26/22 15:56	09/30/22 08:58	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/26/22 15:56	09/30/22 08:58	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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	09/26/22 08:27	09/26/22 13:18	1
o-Terphenyl	107		70 - 130	09/26/22 08:27	09/26/22 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		50.0		mg/Kg			09/27/22 03:36	10

Client Sample ID: T-4 (4')

Lab Sample ID: 880-19604-26

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 09:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 09:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 09:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/22 15:56	09/30/22 09:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 09:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/22 15:56	09/30/22 09:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/26/22 15:56	09/30/22 09:19	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/26/22 15:56	09/30/22 09:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (4')

Lab Sample ID: 880-19604-26

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 13:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 13:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				09/26/22 08:27	09/26/22 13:40	1
o-Terphenyl	82		70 - 130				09/26/22 08:27	09/26/22 13:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1440		50.0		mg/Kg			09/27/22 03:41	10

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-19604-27

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 09:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 09:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 09:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 09:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 09:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 09:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				09/26/22 15:56	09/30/22 09:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/26/22 15:56	09/30/22 09:40	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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110		49.8		mg/Kg			09/27/22 10:34	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		09/26/22 08:27	09/26/22 14:01	1
Diesel Range Organics (Over C10-C28)	110		49.8		mg/Kg		09/26/22 08:27	09/26/22 14:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-19604-27

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/22 08:27	09/26/22 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/26/22 08:27	09/26/22 14:01	1
o-Terphenyl	112		70 - 130				09/26/22 08:27	09/26/22 14:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.3		5.03		mg/Kg			09/27/22 03:55	1

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-19604-28

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 10:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 10:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 10:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 10:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 10:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 10:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				09/26/22 15:56	09/30/22 10:01	1
1,4-Difluorobenzene (Surr)	93		70 - 130				09/26/22 15:56	09/30/22 10:01	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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 14:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 14:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/26/22 08:27	09/26/22 14:23	1
o-Terphenyl	92		70 - 130				09/26/22 08:27	09/26/22 14:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17800		249		mg/Kg			09/27/22 04:00	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (2')

Lab Sample ID: 880-19604-29

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 10:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 10:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 10:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/22 15:56	09/30/22 10:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 10:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/22 15:56	09/30/22 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/26/22 15:56	09/30/22 10:21	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/26/22 15:56	09/30/22 10:21	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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	390		50.0		mg/Kg			09/27/22 10:34	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		09/26/22 08:27	09/26/22 14:45	1
Diesel Range Organics (Over C10-C28)	315		50.0		mg/Kg		09/26/22 08:27	09/26/22 14:45	1
Oil Range Organics (Over C28-C36)	74.9		50.0		mg/Kg		09/26/22 08:27	09/26/22 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	09/26/22 08:27	09/26/22 14:45	1
o-Terphenyl	122		70 - 130	09/26/22 08:27	09/26/22 14:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12300		248		mg/Kg			09/27/22 04:05	50

Client Sample ID: T-5 (3')

Lab Sample ID: 880-19604-30

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 10:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 10:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 10:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/22 15:56	09/30/22 10:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 10:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/22 15:56	09/30/22 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/26/22 15:56	09/30/22 10:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/26/22 15:56	09/30/22 10:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (3')

Lab Sample ID: 880-19604-30

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			09/26/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.2		50.0		mg/Kg			09/27/22 10:34	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		09/26/22 08:27	09/26/22 15:06	1
Diesel Range Organics (Over C10-C28)	56.2		50.0		mg/Kg		09/26/22 08:27	09/26/22 15:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/26/22 08:27	09/26/22 15:06	1
o-Terphenyl	100		70 - 130				09/26/22 08:27	09/26/22 15:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12900		251		mg/Kg			09/27/22 04:15	50

Client Sample ID: T-5 (4')

Lab Sample ID: 880-19604-31

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 11:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 11:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 11:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 11:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 11:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 11:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				09/26/22 15:56	09/30/22 11:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/26/22 15:56	09/30/22 11:03	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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 15:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 15:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (4')

Lab Sample ID: 880-19604-31

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 08:27	09/26/22 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/26/22 08:27	09/26/22 15:49	1
o-Terphenyl	94		70 - 130				09/26/22 08:27	09/26/22 15:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000	F1	252		mg/Kg			09/27/22 04:19	50

Client Sample ID: T-5 (5')

Lab Sample ID: 880-19604-32

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 11:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 11:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 11:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 11:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/22 15:56	09/30/22 11:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/22 15:56	09/30/22 11:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/26/22 15:56	09/30/22 11:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130				09/26/22 15:56	09/30/22 11:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 16:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 16:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				09/26/22 08:27	09/26/22 16:11	1
o-Terphenyl	116		70 - 130				09/26/22 08:27	09/26/22 16:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		24.9		mg/Kg			09/27/22 04:34	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (6')

Lab Sample ID: 880-19604-33

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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		09/26/22 15:56	09/30/22 11:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 11:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 11:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 11:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 15:56	09/30/22 11:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 15:56	09/30/22 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/26/22 15:56	09/30/22 11:44	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/26/22 15:56	09/30/22 11:44	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			09/26/22 17:16	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			09/27/22 10:34	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		09/26/22 08:27	09/26/22 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 16:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/26/22 08:27	09/26/22 16:32	1
o-Terphenyl	109		70 - 130	09/26/22 08:27	09/26/22 16:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		24.8		mg/Kg			09/27/22 04:39	5

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19603-A-22-B MS	Matrix Spike	146 S1+	115
880-19603-A-22-C MSD	Matrix Spike Duplicate	177 S1+	127
880-19604-1	T-1 (0-1')	157 S1+	111
880-19604-2	T-1 (1.5')	155 S1+	122
880-19604-3	T-1 (2')	150 S1+	110
880-19604-4	T-1 (3')	149 S1+	105
880-19604-5	T-2 (0-1')	161 S1+	99
880-19604-6	T-2 (1.5')	160 S1+	117
880-19604-7	T-2 (2')	170 S1+	112
880-19604-8	T-2 (3')	203 S1+	131 S1+
880-19604-9	T-2 (4')	167 S1+	120
880-19604-10	T-2 (5')	163 S1+	112
880-19604-11	T-2 (6')	163 S1+	117
880-19604-12	T-2 (7')	162 S1+	108
880-19604-13	T-2 (8')	169 S1+	106
880-19604-14	T-3 (0-1')	140 S1+	109
880-19604-15	T-3 (1.5')	101	81
880-19604-15 MS	T-3 (1.5')	85	91
880-19604-15 MSD	T-3 (1.5')	95	113
880-19604-16	T-3 (2')	104	94
880-19604-17	T-3 (3')	108	96
880-19604-18	T-3 (4')	107	96
880-19604-19	T-3 (5')	110	94
880-19604-20	T-3 (6')	106	93
880-19604-21	T-3 (7')	107	92
880-19604-22	T-4 (0-1')	104	91
880-19604-23	T-4 (1.5')	113	89
880-19604-24	T-4 (2')	100	86
880-19604-25	T-4 (3')	102	93
880-19604-26	T-4 (4')	102	95
880-19604-27	T-5 (0-1')	103	99
880-19604-28	T-5 (1.5')	97	93
880-19604-29	T-5 (2')	104	92
880-19604-30	T-5 (3')	103	93
880-19604-31	T-5 (4')	100	92
880-19604-32	T-5 (5')	105	90
880-19604-33	T-5 (6')	103	96
LCS 880-35346/1-A	Lab Control Sample	142 S1+	113
LCS 880-35431/1-A	Lab Control Sample	87	100
LCSD 880-35346/2-A	Lab Control Sample Dup	185 S1+	122
LCSD 880-35431/2-A	Lab Control Sample Dup	86	95
MB 880-35346/5-A	Method Blank	117	90
MB 880-35431/5-A	Method Blank	84	73
MB 880-35615/5-A	Method Blank	79	72

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19604-1	T-1 (0-1')	91	83
880-19604-1 MS	T-1 (0-1')	92	65 S1-
880-19604-1 MSD	T-1 (0-1')	95	65 S1-
880-19604-2	T-1 (1.5')	96	89
880-19604-3	T-1 (2')	114	102
880-19604-4	T-1 (3')	110	101
880-19604-5	T-2 (0-1')	99	90
880-19604-6	T-2 (1.5')	108	99
880-19604-7	T-2 (2')	119	109
880-19604-8	T-2 (3')	117	107
880-19604-9	T-2 (4')	119	108
880-19604-10	T-2 (5')	91	83
880-19604-11	T-2 (6')	104	95
880-19604-12	T-2 (7')	109	97
880-19604-13	T-2 (8')	104	88
880-19604-14	T-3 (0-1')	103	92
880-19604-15	T-3 (1.5')	99	88
880-19604-16	T-3 (2')	102	91
880-19604-17	T-3 (3')	113	105
880-19604-18	T-3 (4')	100	92
880-19604-19	T-3 (5')	102	92
880-19604-20	T-3 (6')	105	97
880-19604-21	T-3 (7')	86	87
880-19604-21 MS	T-3 (7')	89	78
880-19604-21 MSD	T-3 (7')	79	72
880-19604-22	T-4 (0-1')	71	66 S1-
880-19604-23	T-4 (1.5')	66 S1-	60 S1-
880-19604-24	T-4 (2')	110	117
880-19604-25	T-4 (3')	100	107
880-19604-26	T-4 (4')	86	82
880-19604-27	T-5 (0-1')	107	112
880-19604-28	T-5 (1.5')	88	92
880-19604-29	T-5 (2')	115	122
880-19604-30	T-5 (3')	102	100
880-19604-31	T-5 (4')	88	94
880-19604-32	T-5 (5')	106	116
880-19604-33	T-5 (6')	101	109
LCS 880-35347/2-A	Lab Control Sample	108	82
LCS 880-35349/2-A	Lab Control Sample	96	102
LCSD 880-35347/3-A	Lab Control Sample Dup	115	93
LCSD 880-35349/3-A	Lab Control Sample Dup	92	98
MB 880-35347/1-A	Method Blank	95	80
MB 880-35349/1-A	Method Blank	105	113

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35346/5-A

Matrix: Solid

Analysis Batch: 35345

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/22 08:15	09/26/22 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	09/26/22 08:15	09/26/22 10:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/26/22 08:15	09/26/22 10:48	1

Lab Sample ID: LCS 880-35346/1-A

Matrix: Solid

Analysis Batch: 35345

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1142		mg/Kg		114	70 - 130
Toluene	0.100	0.1053		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1172		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2600		mg/Kg		130	70 - 130
o-Xylene	0.100	0.1243		mg/Kg		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-35346/2-A

Matrix: Solid

Analysis Batch: 35345

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1147		mg/Kg		115	70 - 130	0	35
Toluene	0.100	0.1180		mg/Kg		118	70 - 130	11	35
Ethylbenzene	0.100	0.1440	*+	mg/Kg		144	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.3350	*+	mg/Kg		168	70 - 130	25	35
o-Xylene	0.100	0.1624	*+	mg/Kg		162	70 - 130	27	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-19603-A-22-B MS

Matrix: Solid

Analysis Batch: 35345

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1119		mg/Kg		110	70 - 130
Toluene	<0.00201	U	0.101	0.1065		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-19603-A-22-B MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 35345

Prep Batch: 35346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U *	0.101	0.1145		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+ F1	0.202	0.2542		mg/Kg		126	70 - 130
o-Xylene	<0.00201	U *+ F1	0.101	0.1217		mg/Kg		121	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-19603-A-22-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 35345

Prep Batch: 35346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1029		mg/Kg		103	70 - 130	8	35
Toluene	<0.00201	U	0.0996	0.1022		mg/Kg		103	70 - 130	4	35
Ethylbenzene	<0.00201	U *	0.0996	0.1238		mg/Kg		122	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U *+ F1	0.199	0.2806	F1	mg/Kg		141	70 - 130	10	35
o-Xylene	<0.00201	U *+ F1	0.0996	0.1370	F1	mg/Kg		138	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

Lab Sample ID: MB 880-35431/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 35712

Prep Batch: 35431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 03:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 03:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 03:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/22 15:56	09/30/22 03:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 15:56	09/30/22 03:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/22 15:56	09/30/22 03:45	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	09/26/22 15:56	09/30/22 03:45	1
1,4-Difluorobenzene (Surr)	73		70 - 130	09/26/22 15:56	09/30/22 03:45	1

Lab Sample ID: LCS 880-35431/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 35712

Prep Batch: 35431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1104		mg/Kg		110	70 - 130
Toluene	0.100	0.08742		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08360		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1655		mg/Kg		83	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-35431/1-A

Matrix: Solid

Analysis Batch: 35712

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08268		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-35431/2-A

Matrix: Solid

Analysis Batch: 35712

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35431

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1125		mg/Kg		112	70 - 130	2	35
Toluene	0.100	0.08656		mg/Kg		87	70 - 130	1	35
Ethylbenzene	0.100	0.08057		mg/Kg		81	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1596		mg/Kg		80	70 - 130	4	35
o-Xylene	0.100	0.07958		mg/Kg		80	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-19604-15 MS

Matrix: Solid

Analysis Batch: 35712

Client Sample ID: T-3 (1.5')

Prep Type: Total/NA

Prep Batch: 35431

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.07559		mg/Kg		76	70 - 130
Toluene	<0.00201	U F1	0.0998	0.06253	F1	mg/Kg		63	70 - 130
Ethylbenzene	<0.00201	U F1	0.0998	0.05254	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1072	F1	mg/Kg		54	70 - 130
o-Xylene	<0.00201	U F1	0.0998	0.05510	F1	mg/Kg		55	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-19604-15 MSD

Matrix: Solid

Analysis Batch: 35712

Client Sample ID: T-3 (1.5')

Prep Type: Total/NA

Prep Batch: 35431

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1064		mg/Kg		107	70 - 130	34	35
Toluene	<0.00201	U F1	0.0996	0.08325		mg/Kg		84	70 - 130	28	35
Ethylbenzene	<0.00201	U F1	0.0996	0.07142		mg/Kg		72	70 - 130	30	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1441		mg/Kg		72	70 - 130	29	35
o-Xylene	<0.00201	U F1	0.0996	0.07215		mg/Kg		72	70 - 130	27	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-19604-15 MSD

Matrix: Solid

Analysis Batch: 35712

Client Sample ID: T-3 (1.5')

Prep Type: Total/NA

Prep Batch: 35431

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: MB 880-35615/5-A

Matrix: Solid

Analysis Batch: 35712

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35615

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/22 14:35	09/29/22 17:01	1	
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/22 14:35	09/29/22 17:01	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/22 14:35	09/29/22 17:01	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/22 14:35	09/29/22 17:01	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/22 14:35	09/29/22 17:01	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/22 14:35	09/29/22 17:01	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	79		70 - 130				09/28/22 14:35	09/29/22 17:01	1	
1,4-Difluorobenzene (Surr)	72		70 - 130				09/28/22 14:35	09/29/22 17:01	1	

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

Lab Sample ID: MB 880-35347/1-A

Matrix: Solid

Analysis Batch: 35337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35347

	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		09/26/22 08:22	09/26/22 10:03	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 10:03	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:22	09/26/22 10:03	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	95		70 - 130				09/26/22 08:22	09/26/22 10:03	1	
o-Terphenyl	80		70 - 130				09/26/22 08:22	09/26/22 10:03	1	

Lab Sample ID: LCS 880-35347/2-A

Matrix: Solid

Analysis Batch: 35337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35347

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	752.7		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	827.5		mg/Kg		83	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	108		70 - 130							
o-Terphenyl	82		70 - 130							

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QC Sample Results

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-35347/3-A

Matrix: Solid

Analysis Batch: 35337

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35347

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD	
	Added		Result	Qualifier				Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000		999.1	*1	mg/Kg		100	70 - 130		28	20
Diesel Range Organics (Over C10-C28)	1000		923.4		mg/Kg		92	70 - 130		11	20
		LCSD	LCSD								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		115		70 - 130							
o-Terphenyl		93		70 - 130							

Lab Sample ID: 880-19604-1 MS

Matrix: Solid

Analysis Batch: 35337

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 35347

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec			
	Result	Qualifier		Result	Qualifier				Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	883.2		mg/Kg		88	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	998	829.6		mg/Kg		79	70 - 130			
		MS	MS									
Surrogate		%Recovery	Qualifier	Limits								
1-Chlorooctane		92		70 - 130								
o-Terphenyl		65	S1-	70 - 130								

Lab Sample ID: 880-19604-1 MSD

Matrix: Solid

Analysis Batch: 35337

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 35347

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier		Result	Qualifier				Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	999	904.4		mg/Kg		91	70 - 130		2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	853.9		mg/Kg		81	70 - 130		3	20
		MSD	MSD									
Surrogate		%Recovery	Qualifier	Limits								
1-Chlorooctane		95		70 - 130								
o-Terphenyl		65	S1-	70 - 130								

Lab Sample ID: MB 880-35349/1-A

Matrix: Solid

Analysis Batch: 35339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35349

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed		Dil Fac
	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 10:03		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 10:03		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 10:03		1

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-35349/1-A
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35349

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/26/22 08:27	09/26/22 10:03	1
o-Terphenyl	113		70 - 130	09/26/22 08:27	09/26/22 10:03	1

Lab Sample ID: LCS 880-35349/2-A
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35349

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	952.1		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	868.5		mg/Kg		87	70 - 130		
Surrogate		LCS	LCS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: LCSD 880-35349/3-A
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35349

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	912.5		mg/Kg		91	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)			1000	832.6		mg/Kg		83	70 - 130	4	20	
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	92		70 - 130									
o-Terphenyl	98		70 - 130									

Lab Sample ID: 880-19604-21 MS
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: T-3 (7')
Prep Type: Total/NA
Prep Batch: 35349

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	764.3		mg/Kg		74	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	886.7		mg/Kg		87	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	78		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-19604-21 MSD

Matrix: Solid

Analysis Batch: 35339

Client Sample ID: T-3 (7')

Prep Type: Total/NA

Prep Batch: 35349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	750.8		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	821.3		mg/Kg		81	70 - 130	8	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	79		70 - 130								
o-Terphenyl	72		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35370/1-A

Matrix: Solid

Analysis Batch: 35428

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			09/27/22 02:57	1

Lab Sample ID: LCS 880-35370/2-A

Matrix: Solid

Analysis Batch: 35428

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-35370/3-A

Matrix: Solid

Analysis Batch: 35428

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	243.4		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-19604-21 MS

Matrix: Solid

Analysis Batch: 35428

Client Sample ID: T-3 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	62.1		253	294.0		mg/Kg		92	90 - 110

Lab Sample ID: 880-19604-21 MSD

Matrix: Solid

Analysis Batch: 35428

Client Sample ID: T-3 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	62.1		253	295.7		mg/Kg		93	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-19604-31 MS

Matrix: Solid

Analysis Batch: 35428

Client Sample ID: T-5 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12000	F1	12600	30140	F1	mg/Kg		144	90 - 110		

Lab Sample ID: 880-19604-31 MSD

Matrix: Solid

Analysis Batch: 35428

Client Sample ID: T-5 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12000	F1	12600	30120	F1	mg/Kg		144	90 - 110	0	20

Lab Sample ID: MB 880-35369/1-A

Matrix: Solid

Analysis Batch: 35429

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			09/27/22 05:47	1

Lab Sample ID: LCS 880-35369/2-A

Matrix: Solid

Analysis Batch: 35429

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	243.0		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-35369/3-A

Matrix: Solid

Analysis Batch: 35429

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	1	20

Lab Sample ID: 880-19604-1 MS

Matrix: Solid

Analysis Batch: 35429

Client Sample ID: T-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12100	F1	12400	27120	F1	mg/Kg		121	90 - 110		

Lab Sample ID: 880-19604-1 MSD

Matrix: Solid

Analysis Batch: 35429

Client Sample ID: T-1 (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	12100	F1	12400	27170	F1	mg/Kg		121	90 - 110	0	20

Lab Sample ID: 880-19604-11 MS

Matrix: Solid

Analysis Batch: 35429

Client Sample ID: T-2 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	400		1240	1610		mg/Kg		98	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-19604-11 MSD					Client Sample ID: T-2 (6')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 35429												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	400		1240	1612		mg/Kg		98	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 35345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Total/NA	Solid	8021B	35346
880-19604-2	T-1 (1.5')	Total/NA	Solid	8021B	35346
880-19604-3	T-1 (2')	Total/NA	Solid	8021B	35346
880-19604-4	T-1 (3')	Total/NA	Solid	8021B	35346
880-19604-5	T-2 (0-1')	Total/NA	Solid	8021B	35346
880-19604-6	T-2 (1.5')	Total/NA	Solid	8021B	35346
880-19604-7	T-2 (2')	Total/NA	Solid	8021B	35346
880-19604-8	T-2 (3')	Total/NA	Solid	8021B	35346
880-19604-9	T-2 (4')	Total/NA	Solid	8021B	35346
880-19604-10	T-2 (5')	Total/NA	Solid	8021B	35346
880-19604-11	T-2 (6')	Total/NA	Solid	8021B	35346
880-19604-12	T-2 (7')	Total/NA	Solid	8021B	35346
880-19604-13	T-2 (8')	Total/NA	Solid	8021B	35346
880-19604-14	T-3 (0-1')	Total/NA	Solid	8021B	35346
MB 880-35346/5-A	Method Blank	Total/NA	Solid	8021B	35346
LCS 880-35346/1-A	Lab Control Sample	Total/NA	Solid	8021B	35346
LCSD 880-35346/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35346
880-19603-A-22-B MS	Matrix Spike	Total/NA	Solid	8021B	35346
880-19603-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35346

Prep Batch: 35346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Total/NA	Solid	5035	
880-19604-2	T-1 (1.5')	Total/NA	Solid	5035	
880-19604-3	T-1 (2')	Total/NA	Solid	5035	
880-19604-4	T-1 (3')	Total/NA	Solid	5035	
880-19604-5	T-2 (0-1')	Total/NA	Solid	5035	
880-19604-6	T-2 (1.5')	Total/NA	Solid	5035	
880-19604-7	T-2 (2')	Total/NA	Solid	5035	
880-19604-8	T-2 (3')	Total/NA	Solid	5035	
880-19604-9	T-2 (4')	Total/NA	Solid	5035	
880-19604-10	T-2 (5')	Total/NA	Solid	5035	
880-19604-11	T-2 (6')	Total/NA	Solid	5035	
880-19604-12	T-2 (7')	Total/NA	Solid	5035	
880-19604-13	T-2 (8')	Total/NA	Solid	5035	
880-19604-14	T-3 (0-1')	Total/NA	Solid	5035	
MB 880-35346/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35346/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35346/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19603-A-22-B MS	Matrix Spike	Total/NA	Solid	5035	
880-19603-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 35431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-15	T-3 (1.5')	Total/NA	Solid	5035	
880-19604-16	T-3 (2')	Total/NA	Solid	5035	
880-19604-17	T-3 (3')	Total/NA	Solid	5035	
880-19604-18	T-3 (4')	Total/NA	Solid	5035	
880-19604-19	T-3 (5')	Total/NA	Solid	5035	
880-19604-20	T-3 (6')	Total/NA	Solid	5035	
880-19604-21	T-3 (7')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 35431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-22	T-4 (0-1')	Total/NA	Solid	5035	
880-19604-23	T-4 (1.5')	Total/NA	Solid	5035	
880-19604-24	T-4 (2')	Total/NA	Solid	5035	
880-19604-25	T-4 (3')	Total/NA	Solid	5035	
880-19604-26	T-4 (4')	Total/NA	Solid	5035	
880-19604-27	T-5 (0-1')	Total/NA	Solid	5035	
880-19604-28	T-5 (1.5')	Total/NA	Solid	5035	
880-19604-29	T-5 (2')	Total/NA	Solid	5035	
880-19604-30	T-5 (3')	Total/NA	Solid	5035	
880-19604-31	T-5 (4')	Total/NA	Solid	5035	
880-19604-32	T-5 (5')	Total/NA	Solid	5035	
880-19604-33	T-5 (6')	Total/NA	Solid	5035	
MB 880-35431/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35431/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35431/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19604-15 MS	T-3 (1.5')	Total/NA	Solid	5035	
880-19604-15 MSD	T-3 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 35456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-19604-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-19604-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-19604-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-19604-5	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-19604-6	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-19604-7	T-2 (2')	Total/NA	Solid	Total BTEX	
880-19604-8	T-2 (3')	Total/NA	Solid	Total BTEX	
880-19604-9	T-2 (4')	Total/NA	Solid	Total BTEX	
880-19604-10	T-2 (5')	Total/NA	Solid	Total BTEX	
880-19604-11	T-2 (6')	Total/NA	Solid	Total BTEX	
880-19604-12	T-2 (7')	Total/NA	Solid	Total BTEX	
880-19604-13	T-2 (8')	Total/NA	Solid	Total BTEX	
880-19604-14	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-19604-15	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-19604-16	T-3 (2')	Total/NA	Solid	Total BTEX	
880-19604-17	T-3 (3')	Total/NA	Solid	Total BTEX	
880-19604-18	T-3 (4')	Total/NA	Solid	Total BTEX	
880-19604-19	T-3 (5')	Total/NA	Solid	Total BTEX	
880-19604-20	T-3 (6')	Total/NA	Solid	Total BTEX	
880-19604-21	T-3 (7')	Total/NA	Solid	Total BTEX	
880-19604-22	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-19604-23	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-19604-24	T-4 (2')	Total/NA	Solid	Total BTEX	
880-19604-25	T-4 (3')	Total/NA	Solid	Total BTEX	
880-19604-26	T-4 (4')	Total/NA	Solid	Total BTEX	
880-19604-27	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-19604-28	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-19604-29	T-5 (2')	Total/NA	Solid	Total BTEX	
880-19604-30	T-5 (3')	Total/NA	Solid	Total BTEX	
880-19604-31	T-5 (4')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 35456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-32	T-5 (5')	Total/NA	Solid	Total BTEX	
880-19604-33	T-5 (6')	Total/NA	Solid	Total BTEX	

Prep Batch: 35615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-35615/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 35712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-15	T-3 (1.5')	Total/NA	Solid	8021B	35431
880-19604-16	T-3 (2')	Total/NA	Solid	8021B	35431
880-19604-17	T-3 (3')	Total/NA	Solid	8021B	35431
880-19604-18	T-3 (4')	Total/NA	Solid	8021B	35431
880-19604-19	T-3 (5')	Total/NA	Solid	8021B	35431
880-19604-20	T-3 (6')	Total/NA	Solid	8021B	35431
880-19604-21	T-3 (7')	Total/NA	Solid	8021B	35431
880-19604-22	T-4 (0-1')	Total/NA	Solid	8021B	35431
880-19604-23	T-4 (1.5')	Total/NA	Solid	8021B	35431
880-19604-24	T-4 (2')	Total/NA	Solid	8021B	35431
880-19604-25	T-4 (3')	Total/NA	Solid	8021B	35431
880-19604-26	T-4 (4')	Total/NA	Solid	8021B	35431
880-19604-27	T-5 (0-1')	Total/NA	Solid	8021B	35431
880-19604-28	T-5 (1.5')	Total/NA	Solid	8021B	35431
880-19604-29	T-5 (2')	Total/NA	Solid	8021B	35431
880-19604-30	T-5 (3')	Total/NA	Solid	8021B	35431
880-19604-31	T-5 (4')	Total/NA	Solid	8021B	35431
880-19604-32	T-5 (5')	Total/NA	Solid	8021B	35431
880-19604-33	T-5 (6')	Total/NA	Solid	8021B	35431
MB 880-35431/5-A	Method Blank	Total/NA	Solid	8021B	35431
MB 880-35615/5-A	Method Blank	Total/NA	Solid	8021B	35615
LCS 880-35431/1-A	Lab Control Sample	Total/NA	Solid	8021B	35431
LCSD 880-35431/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35431
880-19604-15 MS	T-3 (1.5')	Total/NA	Solid	8021B	35431
880-19604-15 MSD	T-3 (1.5')	Total/NA	Solid	8021B	35431

GC Semi VOA

Analysis Batch: 35337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Total/NA	Solid	8015B NM	35347
880-19604-2	T-1 (1.5')	Total/NA	Solid	8015B NM	35347
880-19604-3	T-1 (2')	Total/NA	Solid	8015B NM	35347
880-19604-4	T-1 (3')	Total/NA	Solid	8015B NM	35347
880-19604-5	T-2 (0-1')	Total/NA	Solid	8015B NM	35347
880-19604-6	T-2 (1.5')	Total/NA	Solid	8015B NM	35347
880-19604-7	T-2 (2')	Total/NA	Solid	8015B NM	35347
880-19604-8	T-2 (3')	Total/NA	Solid	8015B NM	35347
880-19604-9	T-2 (4')	Total/NA	Solid	8015B NM	35347
880-19604-10	T-2 (5')	Total/NA	Solid	8015B NM	35347
880-19604-11	T-2 (6')	Total/NA	Solid	8015B NM	35347
880-19604-12	T-2 (7')	Total/NA	Solid	8015B NM	35347

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QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 35337 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-13	T-2 (8')	Total/NA	Solid	8015B NM	35347
880-19604-14	T-3 (0-1')	Total/NA	Solid	8015B NM	35347
880-19604-15	T-3 (1.5')	Total/NA	Solid	8015B NM	35347
880-19604-16	T-3 (2')	Total/NA	Solid	8015B NM	35347
880-19604-17	T-3 (3')	Total/NA	Solid	8015B NM	35347
880-19604-18	T-3 (4')	Total/NA	Solid	8015B NM	35347
880-19604-19	T-3 (5')	Total/NA	Solid	8015B NM	35347
880-19604-20	T-3 (6')	Total/NA	Solid	8015B NM	35347
MB 880-35347/1-A	Method Blank	Total/NA	Solid	8015B NM	35347
LCS 880-35347/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35347
LCSD 880-35347/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35347
880-19604-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	35347
880-19604-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	35347

Analysis Batch: 35339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-21	T-3 (7')	Total/NA	Solid	8015B NM	35349
880-19604-22	T-4 (0-1')	Total/NA	Solid	8015B NM	35349
880-19604-23	T-4 (1.5')	Total/NA	Solid	8015B NM	35349
880-19604-24	T-4 (2')	Total/NA	Solid	8015B NM	35349
880-19604-25	T-4 (3')	Total/NA	Solid	8015B NM	35349
880-19604-26	T-4 (4')	Total/NA	Solid	8015B NM	35349
880-19604-27	T-5 (0-1')	Total/NA	Solid	8015B NM	35349
880-19604-28	T-5 (1.5')	Total/NA	Solid	8015B NM	35349
880-19604-29	T-5 (2')	Total/NA	Solid	8015B NM	35349
880-19604-30	T-5 (3')	Total/NA	Solid	8015B NM	35349
880-19604-31	T-5 (4')	Total/NA	Solid	8015B NM	35349
880-19604-32	T-5 (5')	Total/NA	Solid	8015B NM	35349
880-19604-33	T-5 (6')	Total/NA	Solid	8015B NM	35349
MB 880-35349/1-A	Method Blank	Total/NA	Solid	8015B NM	35349
LCS 880-35349/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35349
LCSD 880-35349/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35349
880-19604-21 MS	T-3 (7')	Total/NA	Solid	8015B NM	35349
880-19604-21 MSD	T-3 (7')	Total/NA	Solid	8015B NM	35349

Prep Batch: 35347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-19604-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-19604-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-19604-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-19604-5	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-19604-6	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-19604-7	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-19604-8	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-19604-9	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-19604-10	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-19604-11	T-2 (6')	Total/NA	Solid	8015NM Prep	
880-19604-12	T-2 (7')	Total/NA	Solid	8015NM Prep	
880-19604-13	T-2 (8')	Total/NA	Solid	8015NM Prep	
880-19604-14	T-3 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 35347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-15	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-19604-16	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-19604-17	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-19604-18	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-19604-19	T-3 (5')	Total/NA	Solid	8015NM Prep	
880-19604-20	T-3 (6')	Total/NA	Solid	8015NM Prep	
MB 880-35347/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35347/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35347/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19604-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-19604-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 35349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-21	T-3 (7')	Total/NA	Solid	8015NM Prep	
880-19604-22	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-19604-23	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-19604-24	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-19604-25	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-19604-26	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-19604-27	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-19604-28	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-19604-29	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-19604-30	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-19604-31	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-19604-32	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-19604-33	T-5 (6')	Total/NA	Solid	8015NM Prep	
MB 880-35349/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35349/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35349/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19604-21 MS	T-3 (7')	Total/NA	Solid	8015NM Prep	
880-19604-21 MSD	T-3 (7')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-19604-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-19604-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-19604-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-19604-5	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-19604-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-19604-7	T-2 (2')	Total/NA	Solid	8015 NM	
880-19604-8	T-2 (3')	Total/NA	Solid	8015 NM	
880-19604-9	T-2 (4')	Total/NA	Solid	8015 NM	
880-19604-10	T-2 (5')	Total/NA	Solid	8015 NM	
880-19604-11	T-2 (6')	Total/NA	Solid	8015 NM	
880-19604-12	T-2 (7')	Total/NA	Solid	8015 NM	
880-19604-13	T-2 (8')	Total/NA	Solid	8015 NM	
880-19604-14	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-19604-15	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-19604-16	T-3 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 35494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-17	T-3 (3')	Total/NA	Solid	8015 NM	
880-19604-18	T-3 (4')	Total/NA	Solid	8015 NM	
880-19604-19	T-3 (5')	Total/NA	Solid	8015 NM	
880-19604-20	T-3 (6')	Total/NA	Solid	8015 NM	
880-19604-21	T-3 (7')	Total/NA	Solid	8015 NM	
880-19604-22	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-19604-23	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-19604-24	T-4 (2')	Total/NA	Solid	8015 NM	
880-19604-25	T-4 (3')	Total/NA	Solid	8015 NM	
880-19604-26	T-4 (4')	Total/NA	Solid	8015 NM	
880-19604-27	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-19604-28	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-19604-29	T-5 (2')	Total/NA	Solid	8015 NM	
880-19604-30	T-5 (3')	Total/NA	Solid	8015 NM	
880-19604-31	T-5 (4')	Total/NA	Solid	8015 NM	
880-19604-32	T-5 (5')	Total/NA	Solid	8015 NM	
880-19604-33	T-5 (6')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-19604-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-19604-3	T-1 (2')	Soluble	Solid	DI Leach	
880-19604-4	T-1 (3')	Soluble	Solid	DI Leach	
880-19604-5	T-2 (0-1')	Soluble	Solid	DI Leach	
880-19604-6	T-2 (1.5')	Soluble	Solid	DI Leach	
880-19604-7	T-2 (2')	Soluble	Solid	DI Leach	
880-19604-8	T-2 (3')	Soluble	Solid	DI Leach	
880-19604-9	T-2 (4')	Soluble	Solid	DI Leach	
880-19604-10	T-2 (5')	Soluble	Solid	DI Leach	
880-19604-11	T-2 (6')	Soluble	Solid	DI Leach	
880-19604-12	T-2 (7')	Soluble	Solid	DI Leach	
880-19604-13	T-2 (8')	Soluble	Solid	DI Leach	
880-19604-14	T-3 (0-1')	Soluble	Solid	DI Leach	
880-19604-15	T-3 (1.5')	Soluble	Solid	DI Leach	
880-19604-16	T-3 (2')	Soluble	Solid	DI Leach	
880-19604-17	T-3 (3')	Soluble	Solid	DI Leach	
880-19604-18	T-3 (4')	Soluble	Solid	DI Leach	
880-19604-19	T-3 (5')	Soluble	Solid	DI Leach	
880-19604-20	T-3 (6')	Soluble	Solid	DI Leach	
MB 880-35369/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35369/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35369/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19604-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-19604-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-19604-11 MS	T-2 (6')	Soluble	Solid	DI Leach	
880-19604-11 MSD	T-2 (6')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 35370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-21	T-3 (7')	Soluble	Solid	DI Leach	
880-19604-22	T-4 (0-1')	Soluble	Solid	DI Leach	
880-19604-23	T-4 (1.5')	Soluble	Solid	DI Leach	
880-19604-24	T-4 (2')	Soluble	Solid	DI Leach	
880-19604-25	T-4 (3')	Soluble	Solid	DI Leach	
880-19604-26	T-4 (4')	Soluble	Solid	DI Leach	
880-19604-27	T-5 (0-1')	Soluble	Solid	DI Leach	
880-19604-28	T-5 (1.5')	Soluble	Solid	DI Leach	
880-19604-29	T-5 (2')	Soluble	Solid	DI Leach	
880-19604-30	T-5 (3')	Soluble	Solid	DI Leach	
880-19604-31	T-5 (4')	Soluble	Solid	DI Leach	
880-19604-32	T-5 (5')	Soluble	Solid	DI Leach	
880-19604-33	T-5 (6')	Soluble	Solid	DI Leach	
MB 880-35370/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35370/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35370/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19604-21 MS	T-3 (7')	Soluble	Solid	DI Leach	
880-19604-21 MSD	T-3 (7')	Soluble	Solid	DI Leach	
880-19604-31 MS	T-5 (4')	Soluble	Solid	DI Leach	
880-19604-31 MSD	T-5 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 35428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-21	T-3 (7')	Soluble	Solid	300.0	35370
880-19604-22	T-4 (0-1')	Soluble	Solid	300.0	35370
880-19604-23	T-4 (1.5')	Soluble	Solid	300.0	35370
880-19604-24	T-4 (2')	Soluble	Solid	300.0	35370
880-19604-25	T-4 (3')	Soluble	Solid	300.0	35370
880-19604-26	T-4 (4')	Soluble	Solid	300.0	35370
880-19604-27	T-5 (0-1')	Soluble	Solid	300.0	35370
880-19604-28	T-5 (1.5')	Soluble	Solid	300.0	35370
880-19604-29	T-5 (2')	Soluble	Solid	300.0	35370
880-19604-30	T-5 (3')	Soluble	Solid	300.0	35370
880-19604-31	T-5 (4')	Soluble	Solid	300.0	35370
880-19604-32	T-5 (5')	Soluble	Solid	300.0	35370
880-19604-33	T-5 (6')	Soluble	Solid	300.0	35370
MB 880-35370/1-A	Method Blank	Soluble	Solid	300.0	35370
LCS 880-35370/2-A	Lab Control Sample	Soluble	Solid	300.0	35370
LCSD 880-35370/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35370
880-19604-21 MS	T-3 (7')	Soluble	Solid	300.0	35370
880-19604-21 MSD	T-3 (7')	Soluble	Solid	300.0	35370
880-19604-31 MS	T-5 (4')	Soluble	Solid	300.0	35370
880-19604-31 MSD	T-5 (4')	Soluble	Solid	300.0	35370

Analysis Batch: 35429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-1	T-1 (0-1')	Soluble	Solid	300.0	35369
880-19604-2	T-1 (1.5')	Soluble	Solid	300.0	35369
880-19604-3	T-1 (2')	Soluble	Solid	300.0	35369
880-19604-4	T-1 (3')	Soluble	Solid	300.0	35369
880-19604-5	T-2 (0-1')	Soluble	Solid	300.0	35369

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 35429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19604-6	T-2 (1.5')	Soluble	Solid	300.0	35369
880-19604-7	T-2 (2')	Soluble	Solid	300.0	35369
880-19604-8	T-2 (3')	Soluble	Solid	300.0	35369
880-19604-9	T-2 (4')	Soluble	Solid	300.0	35369
880-19604-10	T-2 (5')	Soluble	Solid	300.0	35369
880-19604-11	T-2 (6')	Soluble	Solid	300.0	35369
880-19604-12	T-2 (7')	Soluble	Solid	300.0	35369
880-19604-13	T-2 (8')	Soluble	Solid	300.0	35369
880-19604-14	T-3 (0-1')	Soluble	Solid	300.0	35369
880-19604-15	T-3 (1.5')	Soluble	Solid	300.0	35369
880-19604-16	T-3 (2')	Soluble	Solid	300.0	35369
880-19604-17	T-3 (3')	Soluble	Solid	300.0	35369
880-19604-18	T-3 (4')	Soluble	Solid	300.0	35369
880-19604-19	T-3 (5')	Soluble	Solid	300.0	35369
880-19604-20	T-3 (6')	Soluble	Solid	300.0	35369
MB 880-35369/1-A	Method Blank	Soluble	Solid	300.0	35369
LCS 880-35369/2-A	Lab Control Sample	Soluble	Solid	300.0	35369
LCSD 880-35369/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35369
880-19604-1 MS	T-1 (0-1')	Soluble	Solid	300.0	35369
880-19604-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	35369
880-19604-11 MS	T-2 (6')	Soluble	Solid	300.0	35369
880-19604-11 MSD	T-2 (6')	Soluble	Solid	300.0	35369

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-19604-1

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 11:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 06:01	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-19604-2

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 12:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		20			35429	09/27/22 06:16	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-19604-3

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 12:34	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		5			35429	09/27/22 06:21	CH	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-19604-4

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-19604-4

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 12:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		1			35429	09/27/22 06:25	CH	EET MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-19604-5

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 13:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 06:30	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-19604-6

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 16:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 13:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 06:45	CH	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-19604-7

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 16:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 14:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-7

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			5 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 06:50	CH	EET MID

Client Sample ID: T-2 (3')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-8

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 14:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 06:55	CH	EET MID

Client Sample ID: T-2 (4')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-9

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			4.96 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 14:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 06:59	CH	EET MID

Client Sample ID: T-2 (5')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-10

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			5.01 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 15:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		10			35429	09/27/22 07:04	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (6')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 15:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		5			35429	09/27/22 07:09	CH	EET MID

Client Sample ID: T-2 (7')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 16:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		1			35429	09/27/22 07:24	CH	EET MID

Client Sample ID: T-2 (8')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-13

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			5.04 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		1			35429	09/27/22 07:28	CH	EET MID

Client Sample ID: T-3 (0-1')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-14

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			4.97 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (0-1')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 16:54	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 07:43	CH	EET MID

Client Sample ID: T-3 (1.5')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 04:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 17:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 07:48	CH	EET MID

Client Sample ID: T-3 (2')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 04:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 17:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 07:53	CH	EET MID

Client Sample ID: T-3 (3')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 04:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 17:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (3')
Date Collected: 09/22/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-17
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			4.96 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 07:58	CH	EET MID

Client Sample ID: T-3 (4')
Date Collected: 09/22/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-18
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			4.97 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 05:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 18:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		50			35429	09/27/22 08:02	CH	EET MID

Client Sample ID: T-3 (5')
Date Collected: 09/22/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 05:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 18:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		20			35429	09/27/22 08:07	CH	EET MID

Client Sample ID: T-3 (6')
Date Collected: 09/22/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 05:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35347	09/26/22 08:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35337	09/26/22 19:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35369	09/26/22 09:58	KS	EET MID
Soluble	Analysis	300.0		20			35429	09/27/22 08:12	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (7')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 06:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 11:08	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		1			35428	09/27/22 03:12	CH	EET MID

Client Sample ID: T-4 (0-1')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 06:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 12:13	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		50			35428	09/27/22 04:10	CH	EET MID

Client Sample ID: T-4 (1.5')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 06:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		50			35428	09/27/22 03:26	CH	EET MID

Client Sample ID: T-4 (2')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 08:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (2')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-24

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			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 12:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		50			35428	09/27/22 03:31	CH	EET MID

Client Sample ID: T-4 (3')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 08:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 13:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		10			35428	09/27/22 03:36	CH	EET MID

Client Sample ID: T-4 (4')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-26

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			5.01 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 09:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 13:40	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		10			35428	09/27/22 03:41	CH	EET MID

Client Sample ID: T-5 (0-1')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-27

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			5.02 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 09:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 14:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-27

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			4.97 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		1			35428	09/27/22 03:55	CH	EET MID

Client Sample ID: T-5 (1.5')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-28

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	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 10:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 14:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		50			35428	09/27/22 04:00	CH	EET MID

Client Sample ID: T-5 (2')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-29

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			4.99 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 10:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 14:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		50			35428	09/27/22 04:05	CH	EET MID

Client Sample ID: T-5 (3')

Date Collected: 09/22/22 00:00

Date Received: 09/23/22 16:36

Lab Sample ID: 880-19604-30

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			5.01 g	5 mL	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 10:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 15:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		50			35428	09/27/22 04:15	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

Job ID: 880-19604-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (4')

Lab Sample ID: 880-19604-31

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 11:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 15:49	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		50			35428	09/27/22 04:19	CH	EET MID

Client Sample ID: T-5 (5')

Lab Sample ID: 880-19604-32

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 11:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 16:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		5			35428	09/27/22 04:34	CH	EET MID

Client Sample ID: T-5 (6')

Lab Sample ID: 880-19604-33

Date Collected: 09/22/22 00:00

Matrix: Solid

Date Received: 09/23/22 16:36

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	35431	09/26/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35712	09/30/22 11:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35456	09/26/22 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			35494	09/27/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35370	09/26/22 10:00	KS	EET MID
Soluble	Analysis	300.0		5			35428	09/27/22 04:39	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Eurofins Midland

Method Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

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:

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

Sample Summary

Client: Carmona Resources

Job ID: 880-19604-1

Project/Site: Graham Cracker 2 State Com 001H (07.09.22)

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19604-1	T-1 (0-1')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-2	T-1 (1.5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-3	T-1 (2')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-4	T-1 (3')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-5	T-2 (0-1')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-6	T-2 (1.5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-7	T-2 (2')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-8	T-2 (3')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-9	T-2 (4')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-10	T-2 (5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-11	T-2 (6')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-12	T-2 (7')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-13	T-2 (8')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-14	T-3 (0-1')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-15	T-3 (1.5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-16	T-3 (2')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-17	T-3 (3')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-18	T-3 (4')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-19	T-3 (5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-20	T-3 (6')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-21	T-3 (7')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-22	T-4 (0-1')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-23	T-4 (1.5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-24	T-4 (2')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-25	T-4 (3')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-26	T-4 (4')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-27	T-5 (0-1')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-28	T-5 (1.5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-29	T-5 (2')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-30	T-5 (3')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-31	T-5 (4')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-32	T-5 (5')	Solid	09/22/22 00:00	09/23/22 16:36
880-19604-33	T-5 (6')	Solid	09/22/22 00:00	09/23/22 16:36

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Work Order No: 19604

Page 1 of 4

Project Manager	Mike Carmona	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	(432) 813-1992	Email	jacqui.harris@conocophillips.com

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

Project Name	Graham Cracker 2 State Com 001H (07 09 22)			Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number	1107			☐ Routine	☒ Rush													None NO	DI Water- H ₂ O		
Project Location	Eddy County, New Mexico			Due Date	48-Hours													Cool Cool	MeOH Me		
Sampler's Name	CCM																HCL HC	HNO ₃ HN			
PO #:																	H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT	Temp Blank	Yes	No	Yes	No	Wet Ice	Yes	No													
	Received Intact.	Yes	No	Thermometer ID																	
	Cooler Custody Seals	Yes	No	Correction Factor																	
	Sample Custody Seals	Yes	No	Temperature Reading																	
	Total Containers	32			Corrected Temperature	3.4															
Sample Identification				Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters											
T-1 (0-1')				9/22/2022		X		G	1	BTEX 8021B											
T-1 (1-5')				9/22/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)											
T-1 (2')				9/22/2022		X		G	1	Chloride 300.0											
T-1 (3')				9/22/2022		X		G	1												
T-2 (0-1')				9/22/2022		X		G	1												
T-2 (1-5)				9/22/2022		X		G	1												
T-2 (2)				9/22/2022		X		G	1												
T-2 (3)				9/22/2022		X		G	1												
T-2 (4)				9/22/2022		X		G	1												
T-2 (5)				9/22/2022		X		G	1												
														880-19604 Chain of Custody							
																					
														Sample Comments							

Comments



880-19604 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
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Work Order No: 10664

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Project Manager	Mike Carmona	Bill to (if different)	Jacqui Harris
Company Name	Carmoma Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	(432) 813-1992	Email	jacqui.harris@conocophillips.com

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

Project Name		Turn Around		Parameters	ANALYSIS REQUEST												Preservative Codes	
Project Number		☐ Routine	☒ Rush		Pras. Code												None NO	DI Water H ₂ O
Project Location	Eddy County, New Mexico	Due Date		48-Hours													Cool Cool	MeOH Me
Sampler's Name	CCM																HCL HC	HNO ₃ HN
PO #																	H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No											H ₃ PO ₄ HP	
	Received Intact	Yes	No	Thermometer ID													NaHSO ₄ NABIS	
	Cooler Custody Seals	Yes	No	Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃	
	Sample Custody Seals	Yes	No	Temperature Reading													Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature															NaOH+Ascorbic Acid S APC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
T-2 (6')		9/22/2022		X		G	1	X	X	X								
T-2 (7')		9/22/2022		X		G	1	X	X	X								
T-2 (8')		9/22/2022		X		G	1	X	X	X								
T-3 (0-1')		9/22/2022		X		G	1	X	X	X								
T-3 (1 5')		9/22/2022		X		G	1	X	X	X								
T-3 (2')		9/22/2022		X		G	1	X	X	X								
T-3 (3')		9/22/2022		X		G	1	X	X	X								
T-3 (4')		9/22/2022		X		G	1	X	X	X								
T-3 (5')		9/22/2022		X		G	1	X	X	X								
T-3 (6')		9/22/2022		X		G	1	X	X	X								

Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9/23/22 4:30pm		

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Work Order No: 19604

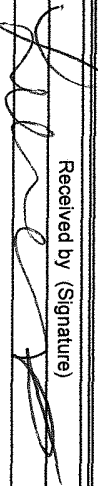
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Project Manager	Mike Camrona	Bill to (if different)	Jacqui Harris
Company Name	Camrona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	(432) 813-1992	Email	jacqui.harris@conocophillips.com

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

Project Name		Graham Cracker 2 State Com 001H (07 09 22)		Turn Around		Pres Code	ANALYSIS REQUEST												Preservative Codes			
Project Number		☐ Routine	☒ Rush													None NO	DI Water- H ₂ O					
Project Location	Eddy County, New Mexico	Due Date	48-Hours																			
Sampler's Name	CCM																					
PO #.																						
SAMPLE RECEIPT		Temp Blank:	Yes	No	Thermometer ID	Yes	No	Wet Ice	Yes	No	Parameters											
Received Intact:		Yes	No	Correction Factor																		
Cooler Custody Seals		Yes	No	N/A	Temperature Reading																	
Sample Custody Seals		Yes	No	N/A	Corrected Temperature																	
Total Containers																						
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0														
T-3 (7')		9/22/2022		X		G	1															
T-4 (0-1')		9/22/2022		X		G	1															
T-4 (1 5')		9/22/2022		X		G	1															
T-4 (2')		9/22/2022		X		G	1															
T-4 (3')		9/22/2022		X		G	1															
T-4 (4')		9/22/2022		X		G	1															
T-5 (0-1')		9/22/2022		X		G	1															
T-5 (1 5')		9/22/2022		X		G	1															
T-5 (2')		9/22/2022		X		G	1															
T-5 (3')		9/22/2022		X		G	1															
Sample Comments																						

Comments

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9/23/22 4:36		

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-19604-1

SDG Number: Eddy County, New Mexico

Login Number: 19604

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

Appendix D

Cultural Resource Inventory Cover Page



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

Appendix E

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
ARCADIS US Inc
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 10/3/2023 11:35:10 AM Revision 1

JOB DESCRIPTION

Graham Cracker 2 state 1 H
SDG NUMBER 88001886

JOB NUMBER

890-5322-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Generated
10/3/2023 11:35:10 AM
Revision 1

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Laboratory Job ID: 890-5322-1
SDG: 88001886

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Definitions/Glossary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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)

Eurofins Carlsbad

Definitions/Glossary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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Case Narrative

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Job ID: 890-5322-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5275-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 9/15/2023 9:21 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 4.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-6-S-4 '091423 (890-5275-1), B-7-S-4 '091423 (890-5275-2), B-8-S-4 '091423 (890-5275-3), SW-1-4' -091423 (890-5275-4) and SW-2-4' -091423 (890-5275-5).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-62601 and 880-62615 and analytical batch 880-62660 was outside the upper control limits.

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

GC Semi VOA

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 880-62763 and 880-62763 and analytical batch 880-62765 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.

Narrative

Job Narrative 890-5291-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Case Narrative

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Job ID: 890-5322-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Receipt

The samples were received on 9/18/2023 4:37 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 10.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-3-5-0-4-091823 (890-5291-1), SW-4-5-0-4-091823 (890-5291-2), B-9-S-4-091823 (890-5291-3), B-10-S-4-091823 (890-5291-4), B-11-S-4-091823 (890-5291-5), B-12-S-4-091823 (890-5291-6), B-13-S-4-091823 (890-5291-7), SW-5-S-0-4-091823 (890-5291-8) and SW-6-S-0-4-091823 (890-5291-9).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-3-5-0-4-091823 (890-5291-1) and (880-33432-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-62862/31). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-4-5-0-4-091823 (890-5291-2) and SW-6-S-0-4-091823 (890-5291-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-62862 recovered below the lower control limits. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-62862/31).

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.

Narrative

Job Narrative 890-5322-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 9/21/2023 2:58 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 10.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-14-S-4'-092123 (890-5322-1), B-15-S-4'-092123

Case Narrative

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Job ID: 890-5322-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

(890-5322-2), B-16-S-4'-092123 (890-5322-3), B-17-S-4'-092123 (890-5322-4), B-18-S-4'-092123 (890-5322-5) and B-19-S-4'-092123 (890-5322-6).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: B-19-S-4'-092123 (890-5322-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-63226 and analytical batch 880-63178 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-63226 and analytical batch 880-63178 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.

HPLC/IC

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

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-33190-1

Receipt

The samples were received on 9/13/2023 12:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-1-S-6"-091223 (880-33190-1), B-3-S-1'-091223 (880-33190-3), B-5-S-6"-091223 (880-33190-5), (CCV 880-62370/20), (LCS 880-62376/1-A), (880-33216-A-1-C), (880-33216-A-1-A MS) and (880-33216-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-62371 and analytical batch 880-62395 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-62395/20), (CCV 880-62395/5) and (LCS 880-62371/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: B-1-S-6"-091223 (880-33190-1), B-2-S-6"-091223 (880-33190-2), B-3-S-1'-091223 (880-33190-3), B-4-S-6"-091223 (880-33190-4), B-5-S-6"-091223 (880-33190-5), (880-33190-A-1-C MS) and (880-33190-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Case Narrative

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Job ID: 890-5322-1 (Continued)

Laboratory: Eurofins Midland (Continued)

HPLC/IC

Method 300_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 880-62393 contained Chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, 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.

Narrative

Job Narrative 880-33478-1

REVISION

The report being provided is a revision of the original report sent on 9/25/2023. The report (revision 1) is being revised due to Revised report to re-run sample 1 due to possible blank contamination elevating results..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 9/21/2023 9:01 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 4.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-7-S-0-4'-092023 (880-33478-1), SW-8-S-0-4'-092023 (880-33478-2) and SW-9-S-0-4'-092023 (880-33478-3).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-9-S-0-4'-092023 (880-33478-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-62964 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-62999 and analytical batch 880-62961 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-9-S-0-4'-092023 (880-33478-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Job ID: 890-5322-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: The method blank for preparation batch 880-62999 and analytical batch 880-62961 contained Gasoline Range Organics (GRO)-C6-C10 and Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-62999 and analytical batch 880-62961 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The spiking solution was inadvertently omitted during the extraction process for the laboratory control sample duplicate (LCSD) associated with preparation batch 880-63229; therefore, percent recoveries are unavailable. 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

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

Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-1-S-6"-091223

Lab Sample ID: 880-33190-1

Date Collected: 09/12/23 13:00

Matrix: Solid

Date Received: 09/13/23 12:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00568		0.00199	0.000383	mg/Kg		09/13/23 15:10	09/14/23 01:04	1
Toluene	0.000696	J	0.00199	0.000453	mg/Kg		09/13/23 15:10	09/14/23 01:04	1
Ethylbenzene	0.000784	J	0.00199	0.000562	mg/Kg		09/13/23 15:10	09/14/23 01:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		09/13/23 15:10	09/14/23 01:04	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		09/13/23 15:10	09/14/23 01:04	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		09/13/23 15:10	09/14/23 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/13/23 15:10	09/14/23 01:04	1
1,4-Difluorobenzene (Surr)	2	S1-	70 - 130	09/13/23 15:10	09/14/23 01:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00716		0.00398	0.00100	mg/Kg			09/14/23 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	172		49.8	14.9	mg/Kg			09/14/23 19:44	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	24.9	J	49.8	14.9	mg/Kg		09/13/23 14:38	09/14/23 10:50	1
Diesel Range Organics (Over C10-C28)	147		49.8	14.9	mg/Kg		09/13/23 14:38	09/14/23 10:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/13/23 14:38	09/14/23 10:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130	09/13/23 14:38	09/14/23 10:50	1
o-Terphenyl	149	S1+	70 - 130	09/13/23 14:38	09/14/23 10:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		50.4	3.98	mg/Kg			09/13/23 19:38	10

Client Sample ID: B-2-S-6"-091223

Lab Sample ID: 880-33190-2

Date Collected: 09/12/23 13:10

Matrix: Solid

Date Received: 09/13/23 12:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		09/13/23 15:10	09/14/23 01:29	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		09/13/23 15:10	09/14/23 01:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		09/13/23 15:10	09/14/23 01:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		09/13/23 15:10	09/14/23 01:29	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		09/13/23 15:10	09/14/23 01:29	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		09/13/23 15:10	09/14/23 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	09/13/23 15:10	09/14/23 01:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/13/23 15:10	09/14/23 01:29	1

Eurofins Carlsbad

Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-2-S-6"-091223

Lab Sample ID: 880-33190-2

Date Collected: 09/12/23 13:10

Matrix: Solid

Date Received: 09/13/23 12:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			09/14/23 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	142		50.5	15.1	mg/Kg			09/14/23 19:44	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	35.5	J	50.5	15.1	mg/Kg		09/13/23 14:38	09/14/23 11:55	1
Diesel Range Organics (Over C10-C28)	106		50.5	15.1	mg/Kg		09/13/23 14:38	09/14/23 11:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	15.1	mg/Kg		09/13/23 14:38	09/14/23 11:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130				09/13/23 14:38	09/14/23 11:55	1
o-Terphenyl	144	S1+	70 - 130				09/13/23 14:38	09/14/23 11:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5390		99.4	7.85	mg/Kg			09/13/23 19:58	20

Client Sample ID: B-3-S-1'-091223

Lab Sample ID: 880-33190-3

Date Collected: 09/12/23 13:20

Matrix: Solid

Date Received: 09/13/23 12:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		09/13/23 15:10	09/14/23 01:54	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		09/13/23 15:10	09/14/23 01:54	1
Ethylbenzene	0.000674	J	0.00201	0.000568	mg/Kg		09/13/23 15:10	09/14/23 01:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		09/13/23 15:10	09/14/23 01:54	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		09/13/23 15:10	09/14/23 01:54	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		09/13/23 15:10	09/14/23 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/13/23 15:10	09/14/23 01:54	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130				09/13/23 15:10	09/14/23 01:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			09/14/23 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.0		49.9	15.0	mg/Kg			09/14/23 19:44	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	34.6	J	49.9	15.0	mg/Kg		09/13/23 14:38	09/14/23 12:17	1
Diesel Range Organics (Over C10-C28)	29.4	J	49.9	15.0	mg/Kg		09/13/23 14:38	09/14/23 12:17	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-3-S-1'-091223

Lab Sample ID: 880-33190-3

Date Collected: 09/12/23 13:20

Matrix: Solid

Date Received: 09/13/23 12:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/13/23 14:38	09/14/23 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	171	S1+	70 - 130				09/13/23 14:38	09/14/23 12:17	1
o-Terphenyl	157	S1+	70 - 130				09/13/23 14:38	09/14/23 12:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2680		50.0	3.95	mg/Kg			09/13/23 20:04	10

Client Sample ID: B-4-S-6"-091223

Lab Sample ID: 880-33190-4

Date Collected: 09/12/23 13:30

Matrix: Solid

Date Received: 09/13/23 12:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		09/13/23 15:10	09/14/23 02:19	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		09/13/23 15:10	09/14/23 02:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		09/13/23 15:10	09/14/23 02:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		09/13/23 15:10	09/14/23 02:19	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		09/13/23 15:10	09/14/23 02:19	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		09/13/23 15:10	09/14/23 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				09/13/23 15:10	09/14/23 02:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/13/23 15:10	09/14/23 02:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			09/14/23 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	45.8	J	49.6	14.9	mg/Kg			09/14/23 19:44	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	26.5	J	49.6	14.9	mg/Kg		09/13/23 14:38	09/14/23 12:38	1
Diesel Range Organics (Over C10-C28)	19.3	J	49.6	14.9	mg/Kg		09/13/23 14:38	09/14/23 12:38	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	14.9	mg/Kg		09/13/23 14:38	09/14/23 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	186	S1+	70 - 130				09/13/23 14:38	09/14/23 12:38	1
o-Terphenyl	176	S1+	70 - 130				09/13/23 14:38	09/14/23 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		49.8	3.93	mg/Kg			09/13/23 20:11	10

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-5-S-6"-091223

Lab Sample ID: 880-33190-5

Date Collected: 09/12/23 13:40

Matrix: Solid

Date Received: 09/13/23 12:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		09/13/23 15:10	09/14/23 02:44	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		09/13/23 15:10	09/14/23 02:44	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		09/13/23 15:10	09/14/23 02:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		09/13/23 15:10	09/14/23 02:44	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		09/13/23 15:10	09/14/23 02:44	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		09/13/23 15:10	09/14/23 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	09/13/23 15:10	09/14/23 02:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/13/23 15:10	09/14/23 02:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			09/14/23 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	139		49.8	14.9	mg/Kg			09/14/23 19:44	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	22.0	J	49.8	14.9	mg/Kg		09/13/23 14:38	09/14/23 13:00	1
Diesel Range Organics (Over C10-C28)	117		49.8	14.9	mg/Kg		09/13/23 14:38	09/14/23 13:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/13/23 14:38	09/14/23 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	177	S1+	70 - 130	09/13/23 14:38	09/14/23 13:00	1
o-Terphenyl	162	S1+	70 - 130	09/13/23 14:38	09/14/23 13:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2830		25.0	1.98	mg/Kg			09/13/23 20:17	5

Client Sample ID: SW-7-S-0-4'-092023

Lab Sample ID: 880-33478-1

Date Collected: 09/20/23 11:00

Matrix: Solid

Date Received: 09/21/23 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		09/21/23 09:19	09/22/23 02:33	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		09/21/23 09:19	09/22/23 02:33	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		09/21/23 09:19	09/22/23 02:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		09/21/23 09:19	09/22/23 02:33	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		09/21/23 09:19	09/22/23 02:33	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		09/21/23 09:19	09/22/23 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	09/21/23 09:19	09/22/23 02:33	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/21/23 09:19	09/22/23 02:33	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-7-S-0-4'-092023

Lab Sample ID: 880-33478-1

Date Collected: 09/20/23 11:00

Matrix: Solid

Date Received: 09/21/23 09:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			09/22/23 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.4	J	50.0	15.0	mg/Kg			09/25/23 23:12	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	19.4	J *- *1	50.0	15.0	mg/Kg		09/25/23 12:16	09/25/23 23:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0	15.0	mg/Kg		09/25/23 12:16	09/25/23 23:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/25/23 12:16	09/25/23 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				09/25/23 12:16	09/25/23 23:12	1
o-Terphenyl	88		70 - 130				09/25/23 12:16	09/25/23 23:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.6		4.99	0.394	mg/Kg			09/21/23 22:16	1

Client Sample ID: SW-8-S-0-4'-092023

Lab Sample ID: 880-33478-2

Date Collected: 09/20/23 11:10

Matrix: Solid

Date Received: 09/21/23 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		09/21/23 09:19	09/22/23 02:53	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		09/21/23 09:19	09/22/23 02:53	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		09/21/23 09:19	09/22/23 02:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		09/21/23 09:19	09/22/23 02:53	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		09/21/23 09:19	09/22/23 02:53	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		09/21/23 09:19	09/22/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				09/21/23 09:19	09/22/23 02:53	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/21/23 09:19	09/22/23 02:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			09/22/23 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.7		50.0	15.0	mg/Kg			09/21/23 21:50	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	23.0	J B	50.0	15.0	mg/Kg		09/21/23 14:25	09/21/23 21:50	1
Diesel Range Organics (Over C10-C28)	61.7		50.0	15.0	mg/Kg		09/21/23 14:25	09/21/23 21:50	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-8-S-0-4'-092023

Lab Sample ID: 880-33478-2

Date Collected: 09/20/23 11:10

Matrix: Solid

Date Received: 09/21/23 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	09/21/23 14:25	09/21/23 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				09/21/23 14:25	09/21/23 21:50	1
o-Terphenyl	110		70 - 130				09/21/23 14:25	09/21/23 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.4		5.04	0.398	mg/Kg	-		09/21/23 22:22	1

Client Sample ID: SW-9-S-0-4'-092023

Lab Sample ID: 880-33478-3

Date Collected: 09/20/23 11:20

Matrix: Solid

Date Received: 09/21/23 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg	-	09/21/23 09:19	09/22/23 03:14	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg	-	09/21/23 09:19	09/22/23 03:14	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg	-	09/21/23 09:19	09/22/23 03:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg	-	09/21/23 09:19	09/22/23 03:14	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg	-	09/21/23 09:19	09/22/23 03:14	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg	-	09/21/23 09:19	09/22/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/21/23 09:19	09/22/23 03:14	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				09/21/23 09:19	09/22/23 03:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg	-		09/22/23 03:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.5		50.3	15.1	mg/Kg	-		09/21/23 22:11	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	29.7	J B	50.3	15.1	mg/Kg	-	09/21/23 14:25	09/21/23 22:11	1
Diesel Range Organics (Over C10-C28)	57.8		50.3	15.1	mg/Kg	-	09/21/23 14:25	09/21/23 22:11	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	15.1	mg/Kg	-	09/21/23 14:25	09/21/23 22:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				09/21/23 14:25	09/21/23 22:11	1
o-Terphenyl	140	S1+	70 - 130				09/21/23 14:25	09/21/23 22:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.97	0.393	mg/Kg	-		09/21/23 22:42	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-6-S-4 '-091423

Lab Sample ID: 890-5275-1

Date Collected: 09/14/23 13:00

Matrix: Solid

Date Received: 09/15/23 09:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 16:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 16:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 16:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/15/23 16:44	09/18/23 16:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 16:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/15/23 16:44	09/18/23 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	09/15/23 16:44	09/18/23 16:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/15/23 16:44	09/18/23 16:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/18/23 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/18/23 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/18/23 10:16	09/18/23 14:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/18/23 10:16	09/18/23 14:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/18/23 10:16	09/18/23 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	09/18/23 10:16	09/18/23 14:02	1
o-Terphenyl	87		70 - 130	09/18/23 10:16	09/18/23 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	954		5.01		mg/Kg			09/18/23 17:17	1

Client Sample ID: B-7-S-4 '-091423

Lab Sample ID: 890-5275-2

Date Collected: 09/14/23 13:10

Matrix: Solid

Date Received: 09/15/23 09:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 16:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 16:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 16:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/23 16:44	09/18/23 16:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 16:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/23 16:44	09/18/23 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/15/23 16:44	09/18/23 16:45	1
1,4-Difluorobenzene (Surr)	116		70 - 130	09/15/23 16:44	09/18/23 16:45	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-7-S-4 '-091423

Lab Sample ID: 890-5275-2

Date Collected: 09/14/23 13:10

Matrix: Solid

Date Received: 09/15/23 09:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/18/23 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/18/23 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/18/23 10:16	09/18/23 14:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/18/23 10:16	09/18/23 14:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/18/23 10:16	09/18/23 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				09/18/23 10:16	09/18/23 14:25	1
o-Terphenyl	96		70 - 130				09/18/23 10:16	09/18/23 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	557		5.00		mg/Kg			09/18/23 17:24	1

Client Sample ID: B-8-S-4 '-091423

Lab Sample ID: 890-5275-3

Date Collected: 09/14/23 13:20

Matrix: Solid

Date Received: 09/15/23 09:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 17:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 17:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 17:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/23 16:44	09/18/23 17:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/23 16:44	09/18/23 17:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/23 16:44	09/18/23 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/15/23 16:44	09/18/23 17:06	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/15/23 16:44	09/18/23 17:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/18/23 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/18/23 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/18/23 10:16	09/18/23 14:49	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/18/23 10:16	09/18/23 14:49	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-8-S-4 ' -091423

Lab Sample ID: 890-5275-3

Date Collected: 09/14/23 13:20

Matrix: Solid

Date Received: 09/15/23 09:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/18/23 10:16	09/18/23 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/18/23 10:16	09/18/23 14:49	1
o-Terphenyl	88		70 - 130				09/18/23 10:16	09/18/23 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		49.7		mg/Kg			09/18/23 17:30	10

Client Sample ID: SW-1-4' -091423

Lab Sample ID: 890-5275-4

Date Collected: 09/14/23 14:00

Matrix: Solid

Date Received: 09/15/23 09:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/15/23 16:44	09/18/23 17:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/15/23 16:44	09/18/23 17:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/15/23 16:44	09/18/23 17:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/15/23 16:44	09/18/23 17:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/15/23 16:44	09/18/23 17:26	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/15/23 16:44	09/18/23 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/15/23 16:44	09/18/23 17:26	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/15/23 16:44	09/18/23 17:26	1

Method: TAL SOP 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			09/18/23 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/18/23 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/18/23 10:16	09/18/23 15:12	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/18/23 10:16	09/18/23 15:12	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/18/23 10:16	09/18/23 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				09/18/23 10:16	09/18/23 15:12	1
o-Terphenyl	86		70 - 130				09/18/23 10:16	09/18/23 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4810		99.6		mg/Kg			09/18/23 17:37	20

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-2-4' -091423

Lab Sample ID: 890-5275-5

Date Collected: 09/14/23 14:10

Matrix: Solid

Date Received: 09/15/23 09:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 17:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 17:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 17:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/15/23 16:44	09/18/23 17:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 17:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/15/23 16:44	09/18/23 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/15/23 16:44	09/18/23 17:47	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/15/23 16:44	09/18/23 17:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/18/23 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/18/23 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/18/23 10:16	09/18/23 16:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/18/23 10:16	09/18/23 16:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/18/23 10:16	09/18/23 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	09/18/23 10:16	09/18/23 16:00	1
o-Terphenyl	79		70 - 130	09/18/23 10:16	09/18/23 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	813	F1	25.2		mg/Kg			09/18/23 17:06	5

Client Sample ID: SW-3-5-0-4-091823

Lab Sample ID: 890-5291-1

Date Collected: 09/18/23 09:00

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 12:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/20/23 08:43	09/20/23 12:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 12:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/20/23 08:43	09/20/23 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	09/20/23 08:43	09/20/23 12:15	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/20/23 08:43	09/20/23 12:15	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-3-5-0-4-091823

Lab Sample ID: 890-5291-1

Date Collected: 09/18/23 09:00

Matrix: Solid

Date Received: 09/18/23 16:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/20/23 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/20/23 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/20/23 12:31	09/20/23 23:45	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/20/23 12:31	09/20/23 23:45	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/20/23 12:31	09/20/23 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/20/23 12:31	09/20/23 23:45	1
o-Terphenyl	108		70 - 130	09/20/23 12:31	09/20/23 23:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.1		4.96		mg/Kg			09/20/23 14:17	1

Client Sample ID: SW-4-5-0-4-091823

Lab Sample ID: 890-5291-2

Date Collected: 09/18/23 09:10

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/20/23 08:43	09/20/23 12:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/20/23 08:43	09/20/23 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/20/23 08:43	09/20/23 12:35	1
1,4-Difluorobenzene (Surr)	85		70 - 130	09/20/23 08:43	09/20/23 12:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/20/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/21/23 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/20/23 12:31	09/21/23 00:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/20/23 12:31	09/21/23 00:47	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-4-5-0-4-091823

Lab Sample ID: 890-5291-2

Date Collected: 09/18/23 09:10

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/20/23 12:31	09/21/23 00:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				09/20/23 12:31	09/21/23 00:47	1
o-Terphenyl	133	S1+	70 - 130				09/20/23 12:31	09/21/23 00:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.5		5.04		mg/Kg			09/20/23 14:23	1

Client Sample ID: B-9-S-4-091823

Lab Sample ID: 890-5291-3

Date Collected: 09/18/23 09:30

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/20/23 08:43	09/20/23 12:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/20/23 08:43	09/20/23 12:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/20/23 08:43	09/20/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				09/20/23 08:43	09/20/23 12:56	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/20/23 08:43	09/20/23 12:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/20/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/21/23 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/20/23 12:31	09/21/23 01:08	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/20/23 12:31	09/21/23 01:08	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/20/23 12:31	09/21/23 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				09/20/23 12:31	09/21/23 01:08	1
o-Terphenyl	128		70 - 130				09/20/23 12:31	09/21/23 01:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2880		100		mg/Kg			09/20/23 14:30	20

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-10-S-4-091823

Lab Sample ID: 890-5291-4

Date Collected: 09/18/23 09:40

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 13:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	09/20/23 08:43	09/20/23 13:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/20/23 08:43	09/20/23 13:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/23 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/21/23 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/20/23 12:31	09/21/23 01:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/20/23 12:31	09/21/23 01:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/20/23 12:31	09/21/23 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/20/23 12:31	09/21/23 01:28	1
o-Terphenyl	118		70 - 130	09/20/23 12:31	09/21/23 01:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		4.99		mg/Kg			09/20/23 14:37	1

Client Sample ID: B-11-S-4-091823

Lab Sample ID: 890-5291-5

Date Collected: 09/18/23 09:50

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 13:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	09/20/23 08:43	09/20/23 13:37	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/20/23 08:43	09/20/23 13:37	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-11-S-4-091823

Lab Sample ID: 890-5291-5

Date Collected: 09/18/23 09:50

Matrix: Solid

Date Received: 09/18/23 16:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/23 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/21/23 01:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/20/23 12:31	09/21/23 01:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/20/23 12:31	09/21/23 01:49	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/20/23 12:31	09/21/23 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/20/23 12:31	09/21/23 01:49	1
o-Terphenyl	119		70 - 130				09/20/23 12:31	09/21/23 01:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.4		4.99		mg/Kg			09/20/23 14:57	1

Client Sample ID: B-12-S-4-091823

Lab Sample ID: 890-5291-6

Date Collected: 09/18/23 10:00

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				09/20/23 08:43	09/20/23 13:57	1
1,4-Difluorobenzene (Surr)	95		70 - 130				09/20/23 08:43	09/20/23 13:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/23 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/21/23 02:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/20/23 12:31	09/21/23 02:09	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/20/23 12:31	09/21/23 02:09	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-12-S-4-091823

Lab Sample ID: 890-5291-6

Date Collected: 09/18/23 10:00

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/20/23 12:31	09/21/23 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/20/23 12:31	09/21/23 02:09	1
o-Terphenyl	120		70 - 130				09/20/23 12:31	09/21/23 02:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2660		49.8		mg/Kg			09/20/23 15:03	10

Client Sample ID: B-13-S-4-091823

Lab Sample ID: 890-5291-7

Date Collected: 09/18/23 10:10

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 14:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 14:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 14:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 14:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 14:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/20/23 08:43	09/20/23 14:18	1
1,4-Difluorobenzene (Surr)	72		70 - 130				09/20/23 08:43	09/20/23 14:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/23 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/21/23 02:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/20/23 12:31	09/21/23 02:30	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/20/23 12:31	09/21/23 02:30	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/20/23 12:31	09/21/23 02:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/20/23 12:31	09/21/23 02:30	1
o-Terphenyl	121		70 - 130				09/20/23 12:31	09/21/23 02:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1690		49.6		mg/Kg			09/20/23 15:10	10

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-5-S-0-4-091823

Lab Sample ID: 890-5291-8

Date Collected: 09/18/23 15:00

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 16:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 16:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 16:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/20/23 08:43	09/20/23 16:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 16:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/20/23 08:43	09/20/23 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	09/20/23 08:43	09/20/23 16:01	1
1,4-Difluorobenzene (Surr)	87		70 - 130	09/20/23 08:43	09/20/23 16:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/20/23 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/21/23 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/20/23 12:31	09/21/23 02:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/20/23 12:31	09/21/23 02:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/20/23 12:31	09/21/23 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	09/20/23 12:31	09/21/23 02:50	1
o-Terphenyl	120		70 - 130	09/20/23 12:31	09/21/23 02:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		5.04		mg/Kg			09/20/23 15:17	1

Client Sample ID: SW-6-S-0-4-091823

Lab Sample ID: 890-5291-9

Date Collected: 09/18/23 15:10

Matrix: Solid

Date Received: 09/18/23 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 16:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 16:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 16:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 16:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/20/23 08:43	09/20/23 16:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/20/23 08:43	09/20/23 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/20/23 08:43	09/20/23 16:22	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/20/23 08:43	09/20/23 16:22	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-6-S-0-4-091823

Lab Sample ID: 890-5291-9

Date Collected: 09/18/23 15:10

Matrix: Solid

Date Received: 09/18/23 16:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/23 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/21/23 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/20/23 12:31	09/21/23 03:11	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/20/23 12:31	09/21/23 03:11	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/20/23 12:31	09/21/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				09/20/23 12:31	09/21/23 03:11	1
o-Terphenyl	133	S1+	70 - 130				09/20/23 12:31	09/21/23 03:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		25.1		mg/Kg			09/20/23 15:23	5

Client Sample ID: B-14-S-4'-092123

Lab Sample ID: 890-5322-1

Date Collected: 09/21/23 11:00

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 14:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/25/23 08:39	09/25/23 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 14:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/25/23 08:39	09/25/23 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				09/25/23 08:39	09/25/23 14:50	1
1,4-Difluorobenzene (Surr)	72		70 - 130				09/25/23 08:39	09/25/23 14:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/25/23 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/25/23 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	50.1		mg/Kg		09/25/23 11:15	09/25/23 12:13	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-14-S-4'-092123

Lab Sample ID: 890-5322-1

Date Collected: 09/21/23 11:00

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

Method: SW846 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)	<50.1	U F1 *1	50.1		mg/Kg		09/25/23 11:15	09/25/23 12:13	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/25/23 11:15	09/25/23 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				09/25/23 11:15	09/25/23 12:13	1
o-Terphenyl	82		70 - 130				09/25/23 11:15	09/25/23 12:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1450		50.5		mg/Kg			09/25/23 14:41	10

Client Sample ID: B-15-S-4'-092123

Lab Sample ID: 890-5322-2

Date Collected: 09/21/23 11:10

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 12:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 12:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 12:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/23 08:39	09/25/23 12:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 12:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/23 08:39	09/25/23 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/25/23 08:39	09/25/23 12:06	1
1,4-Difluorobenzene (Surr)	74		70 - 130				09/25/23 08:39	09/25/23 12:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/25/23 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/25/23 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/25/23 11:15	09/25/23 13:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		09/25/23 11:15	09/25/23 13:22	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/25/23 11:15	09/25/23 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				09/25/23 11:15	09/25/23 13:22	1
o-Terphenyl	99		70 - 130				09/25/23 11:15	09/25/23 13:22	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-15-S-4'-092123

Lab Sample ID: 890-5322-2

Date Collected: 09/21/23 11:10

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1730		50.2		mg/Kg			09/25/23 15:01	10

Client Sample ID: B-16-S-4'-092123

Lab Sample ID: 890-5322-3

Date Collected: 09/21/23 11:20

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/25/23 08:39	09/25/23 12:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/25/23 08:39	09/25/23 12:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/25/23 08:39	09/25/23 12:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/25/23 08:39	09/25/23 12:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/25/23 08:39	09/25/23 12:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/25/23 08:39	09/25/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/25/23 08:39	09/25/23 12:26	1
1,4-Difluorobenzene (Surr)	73		70 - 130				09/25/23 08:39	09/25/23 12:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/25/23 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/25/23 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/25/23 11:15	09/25/23 13:46	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		09/25/23 11:15	09/25/23 13:46	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/25/23 11:15	09/25/23 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				09/25/23 11:15	09/25/23 13:46	1
o-Terphenyl	80		70 - 130				09/25/23 11:15	09/25/23 13:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		25.2		mg/Kg			09/25/23 15:08	5

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-17-S-4'-092123

Lab Sample ID: 890-5322-4

Date Collected: 09/21/23 11:30

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/25/23 08:39	09/25/23 12:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/25/23 08:39	09/25/23 12:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/25/23 08:39	09/25/23 12:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/25/23 08:39	09/25/23 12:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/25/23 08:39	09/25/23 12:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/25/23 08:39	09/25/23 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/25/23 08:39	09/25/23 12:47	1
1,4-Difluorobenzene (Surr)	71		70 - 130	09/25/23 08:39	09/25/23 12:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/25/23 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/25/23 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/25/23 11:15	09/25/23 14:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/25/23 11:15	09/25/23 14:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/25/23 11:15	09/25/23 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	09/25/23 11:15	09/25/23 14:10	1
o-Terphenyl	87		70 - 130	09/25/23 11:15	09/25/23 14:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	462		5.04		mg/Kg			09/25/23 15:14	1

Client Sample ID: B-18-S-4'-092123

Lab Sample ID: 890-5322-5

Date Collected: 09/21/23 11:40

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/25/23 08:39	09/25/23 13:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/23 08:39	09/25/23 13:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/23 08:39	09/25/23 13:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/25/23 08:39	09/25/23 13:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/23 08:39	09/25/23 13:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/25/23 08:39	09/25/23 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/25/23 08:39	09/25/23 13:07	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-18-S-4'-092123

Lab Sample ID: 890-5322-5

Date Collected: 09/21/23 11:40

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	09/25/23 08:39	09/25/23 13:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/25/23 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/25/23 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/25/23 11:15	09/25/23 14:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/25/23 11:15	09/25/23 14:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/25/23 11:15	09/25/23 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				09/25/23 11:15	09/25/23 14:33	1
o-Terphenyl	90		70 - 130				09/25/23 11:15	09/25/23 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		25.2		mg/Kg			09/25/23 15:21	5

Client Sample ID: B-19-S-4'-092123

Lab Sample ID: 890-5322-6

Date Collected: 09/21/23 11:50

Matrix: Solid

Date Received: 09/21/23 14:58

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/25/23 08:39	09/25/23 13:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/23 08:39	09/25/23 13:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/23 08:39	09/25/23 13:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/23 08:39	09/25/23 13:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/23 08:39	09/25/23 13:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/23 08:39	09/25/23 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	09/25/23 08:39	09/25/23 13:28	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	09/25/23 08:39	09/25/23 13:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/25/23 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/25/23 14:55	1

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Client Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-19-S-4'-092123
Date Collected: 09/21/23 11:50
Date Received: 09/21/23 14:58
Sample Depth: 4'

Lab Sample ID: 890-5322-6
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/25/23 11:15	09/25/23 14:55	1	
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		09/25/23 11:15	09/25/23 14:55	1	
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/25/23 11:15	09/25/23 14:55	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	78		70 - 130				09/25/23 11:15	09/25/23 14:55	1	
o-Terphenyl	86		70 - 130				09/25/23 11:15	09/25/23 14:55	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1190		25.0		mg/Kg			09/25/23 15:41	5	

Surrogate Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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)
880-33190-1	B-1-S-6"-091223	103	2 S1-
880-33190-2	B-2-S-6"-091223	119	99
880-33190-3	B-3-S-1'-091223	128	132 S1+
880-33190-4	B-4-S-6"-091223	111	100
880-33190-5	B-5-S-6"-091223	153 S1+	94
880-33478-1	SW-7-S-0-4'-092023	90	79
880-33478-2	SW-8-S-0-4'-092023	81	88
880-33478-3	SW-9-S-0-4'-092023	90	64 S1-
890-5275-1	B-6-S-4 ' -091423	81	102
890-5275-2	B-7-S-4 ' -091423	96	116
890-5275-3	B-8-S-4 ' -091423	96	106
890-5275-4	SW-1-4' -091423	102	106
890-5275-5	SW-2-4' -091423	102	111
890-5291-1	SW-3-5-0-4-091823	69 S1-	105
890-5291-2	SW-4-5-0-4-091823	97	85
890-5291-3	B-9-S-4-091823	83	94
890-5291-4	B-10-S-4-091823	70	100
890-5291-5	B-11-S-4-091823	85	83
890-5291-6	B-12-S-4-091823	79	95
890-5291-7	B-13-S-4-091823	94	72
890-5291-8	SW-5-S-0-4-091823	77	87
890-5291-9	SW-6-S-0-4-091823	93	77
890-5322-1	B-14-S-4'-092123	89	72
890-5322-1 MS	B-14-S-4'-092123	115	85
890-5322-1 MSD	B-14-S-4'-092123	113	102
890-5322-2	B-15-S-4'-092123	90	74
890-5322-3	B-16-S-4'-092123	90	73
890-5322-4	B-17-S-4'-092123	93	71
890-5322-5	B-18-S-4'-092123	97	77
890-5322-6	B-19-S-4'-092123	90	69 S1-
LCS 880-62376/1-A	Lab Control Sample	140 S1+	104
LCS 880-62615/1-A	Lab Control Sample	89	109
LCS 880-62786/1-A	Lab Control Sample	128	100
LCS 880-62869/1-A	Lab Control Sample	106	111
LCS 880-63187/1-A	Lab Control Sample	112	100
LCSD 880-62376/2-A	Lab Control Sample Dup	119	78
LCSD 880-62615/2-A	Lab Control Sample Dup	90	104
LCSD 880-62786/2-A	Lab Control Sample Dup	130	97
LCSD 880-62869/2-A	Lab Control Sample Dup	108	114
LCSD 880-63187/2-A	Lab Control Sample Dup	109	99
MB 880-62376/5-A	Method Blank	81	84
MB 880-62601/5-A	Method Blank	106	144 S1+
MB 880-62615/5-A	Method Blank	106	139 S1+
MB 880-62786/5-A	Method Blank	73	90
MB 880-62869/5-A	Method Blank	73	94
MB 880-62886/5-A	Method Blank	72	94
MB 880-63187/5-A	Method Blank	73	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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Surrogate Summary

Client: ARCADIS US Inc
 Project/Site: Graham Cracker 2 state 1 H
 DFBZ = 1,4-Difluorobenzene (Surr)

Job ID: 890-5322-1
 SDG: 88001886

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-33190-1	B-1-S-6"-091223	166 S1+	149 S1+
880-33190-1 MS	B-1-S-6"-091223	163 S1+	133 S1+
880-33190-1 MSD	B-1-S-6"-091223	163 S1+	131 S1+
880-33190-2	B-2-S-6"-091223	161 S1+	144 S1+
880-33190-3	B-3-S-1'-091223	171 S1+	157 S1+
880-33190-4	B-4-S-6"-091223	186 S1+	176 S1+
880-33190-5	B-5-S-6"-091223	177 S1+	162 S1+
880-33478-1	SW-7-S-0-4'-092023	85	88
880-33478-2	SW-8-S-0-4'-092023	100	110
880-33478-3	SW-9-S-0-4'-092023	126	140 S1+
880-33478-A-1-D MS	Matrix Spike	120	120
880-33478-A-1-E MSD	Matrix Spike Duplicate	109	104
890-5275-1	B-6-S-4 '-091423	81	87
890-5275-2	B-7-S-4 '-091423	89	96
890-5275-3	B-8-S-4 ' -091423	82	88
890-5275-4	SW-1-4' -091423	79	86
890-5275-5	SW-2-4' -091423	75	79
890-5291-1	SW-3-5-0-4-091823	107	108
890-5291-1 MS	SW-3-5-0-4-091823	114	109
890-5291-1 MSD	SW-3-5-0-4-091823	115	111
890-5291-2	SW-4-5-0-4-091823	125	133 S1+
890-5291-3	B-9-S-4-091823	128	128
890-5291-4	B-10-S-4-091823	116	118
890-5291-5	B-11-S-4-091823	117	119
890-5291-6	B-12-S-4-091823	118	120
890-5291-7	B-13-S-4-091823	120	121
890-5291-8	SW-5-S-0-4-091823	119	120
890-5291-9	SW-6-S-0-4-091823	132 S1+	133 S1+
890-5322-1	B-14-S-4'-092123	78	82
890-5322-1 MS	B-14-S-4'-092123	81	76
890-5322-1 MSD	B-14-S-4'-092123	79	74
890-5322-2	B-15-S-4'-092123	92	99
890-5322-3	B-16-S-4'-092123	74	80
890-5322-4	B-17-S-4'-092123	79	87
890-5322-5	B-18-S-4'-092123	83	90
890-5322-6	B-19-S-4'-092123	78	86
LCS 880-62371/2-A	Lab Control Sample	122	134 S1+
LCS 880-62707/2-A	Lab Control Sample	85	84
LCS 880-62912/2-A	Lab Control Sample	74	73
LCS 880-62999/2-A	Lab Control Sample	85	96
LCS 880-63226/2-A	Lab Control Sample	96	98
LCS 880-63229/2-A	Lab Control Sample	93	99
LCSD 880-62371/3-A	Lab Control Sample Dup	115	109
LCSD 880-62707/3-A	Lab Control Sample Dup	94	95
LCSD 880-62912/3-A	Lab Control Sample Dup	95	92
LCSD 880-62999/3-A	Lab Control Sample Dup	82	94
LCSD 880-63226/3-A	Lab Control Sample Dup	79	83
LCSD 880-63229/3-A	Lab Control Sample Dup	6 S1-	3 S1-

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Surrogate Summary

Client: ARCADIS US Inc

Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1

SDG: 88001886

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-62371/1-A	Method Blank	158 S1+	143 S1+
MB 880-62707/1-A	Method Blank	95	101
MB 880-62912/1-A	Method Blank	107	123
MB 880-62999/1-A	Method Blank	170 S1+	198 S1+
MB 880-63226/1-A	Method Blank	90	99
MB 880-63229/1-A	Method Blank	94	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-62376/5-A

Matrix: Solid

Analysis Batch: 62370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/13/23 15:10	09/13/23 18:05	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/13/23 15:10	09/13/23 18:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/13/23 15:10	09/13/23 18:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/13/23 15:10	09/13/23 18:05	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/13/23 15:10	09/13/23 18:05	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/13/23 15:10	09/13/23 18:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	09/13/23 15:10	09/13/23 18:05	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/13/23 15:10	09/13/23 18:05	1

Lab Sample ID: LCS 880-62376/1-A

Matrix: Solid

Analysis Batch: 62370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1203		mg/Kg		120	70 - 130
Toluene	0.100	0.1158		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1221		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	0.200	0.2401		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-62376/2-A

Matrix: Solid

Analysis Batch: 62370

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62376

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09090		mg/Kg		91	70 - 130	28	35
Toluene	0.100	0.09404		mg/Kg		94	70 - 130	21	35
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2020		mg/Kg		101	70 - 130	17	35
o-Xylene	0.100	0.09764		mg/Kg		98	70 - 130	22	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: MB 880-62601/5-A

Matrix: Solid

Analysis Batch: 62660

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/23 15:31	09/17/23 21:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/23 15:31	09/17/23 21:20	1

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: MB 880-62601/5-A

Matrix: Solid

Analysis Batch: 62660

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/23 15:31	09/17/23 21:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/23 15:31	09/17/23 21:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/23 15:31	09/17/23 21:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/23 15:31	09/17/23 21:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/15/23 15:31	09/17/23 21:20	1
1,4-Difluorobenzene (Surr)	144	S1+	70 - 130	09/15/23 15:31	09/17/23 21:20	1

Lab Sample ID: MB 880-62615/5-A

Matrix: Solid

Analysis Batch: 62660

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 09:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 09:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 09:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/23 16:44	09/18/23 09:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/23 16:44	09/18/23 09:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/23 16:44	09/18/23 09:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/15/23 16:44	09/18/23 09:39	1
1,4-Difluorobenzene (Surr)	139	S1+	70 - 130	09/15/23 16:44	09/18/23 09:39	1

Lab Sample ID: LCS 880-62615/1-A

Matrix: Solid

Analysis Batch: 62660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08377		mg/Kg		84	70 - 130
Toluene	0.100	0.07296		mg/Kg		73	70 - 130
Ethylbenzene	0.100	0.07011		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	0.200	0.1523		mg/Kg		76	70 - 130
o-Xylene	0.100	0.07542		mg/Kg		75	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-62615/2-A

Matrix: Solid

Analysis Batch: 62660

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08724		mg/Kg		87	70 - 130	4	35
Toluene	0.100	0.08021		mg/Kg		80	70 - 130	9	35
Ethylbenzene	0.100	0.07574		mg/Kg		76	70 - 130	8	35

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: LCSD 880-62615/2-A

Matrix: Solid

Analysis Batch: 62660

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.200	0.1652		mg/Kg		83	70 - 130	8	35
o-Xylene	0.100	0.08113		mg/Kg		81	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-62786/5-A

Matrix: Solid

Analysis Batch: 62964

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62786

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/19/23 09:19	09/21/23 21:45	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/19/23 09:19	09/21/23 21:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/19/23 09:19	09/21/23 21:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/19/23 09:19	09/21/23 21:45	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/19/23 09:19	09/21/23 21:45	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/19/23 09:19	09/21/23 21:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	09/19/23 09:19	09/21/23 21:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/19/23 09:19	09/21/23 21:45	1

Lab Sample ID: LCS 880-62786/1-A

Matrix: Solid

Analysis Batch: 62964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07199		mg/Kg		72	70 - 130
Toluene	0.100	0.08136		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.09307		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1937		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09886		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-62786/2-A

Matrix: Solid

Analysis Batch: 62964

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62786

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08444		mg/Kg		84	70 - 130	16	35
Toluene	0.100	0.09277		mg/Kg		93	70 - 130	13	35
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.1928		mg/Kg		96	70 - 130	0	35
o-Xylene	0.100	0.1158		mg/Kg		116	70 - 130	16	35

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

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

Lab Sample ID: MB 880-62869/5-A
Matrix: Solid
Analysis Batch: 62867

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 62869

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 11:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 11:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 11:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/20/23 08:43	09/20/23 11:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/20/23 08:43	09/20/23 11:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/20/23 08:43	09/20/23 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	09/20/23 08:43	09/20/23 11:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/20/23 08:43	09/20/23 11:12	1

Lab Sample ID: LCS 880-62869/1-A
Matrix: Solid
Analysis Batch: 62867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 62869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1148		mg/Kg		115	70 - 130
Toluene	0.100	0.1154		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1126		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2373		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-62869/2-A
Matrix: Solid
Analysis Batch: 62867

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 62869

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1101		mg/Kg		110	70 - 130	4	35
Toluene	0.100	0.1081		mg/Kg		108	70 - 130	7	35
Ethylbenzene	0.100	0.1053		mg/Kg		105	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2251		mg/Kg		113	70 - 130	5	35
o-Xylene	0.100	0.1100		mg/Kg		110	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: MB 880-62886/5-A

Matrix: Solid

Analysis Batch: 62964

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/20/23 10:13	09/21/23 11:12	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/20/23 10:13	09/21/23 11:12	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/20/23 10:13	09/21/23 11:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/20/23 10:13	09/21/23 11:12	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/20/23 10:13	09/21/23 11:12	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/20/23 10:13	09/21/23 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	09/20/23 10:13	09/21/23 11:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/20/23 10:13	09/21/23 11:12	1

Lab Sample ID: MB 880-63187/5-A

Matrix: Solid

Analysis Batch: 63183

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/25/23 08:39	09/25/23 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/23 08:39	09/25/23 11:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/25/23 08:39	09/25/23 11:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	09/25/23 08:39	09/25/23 11:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/25/23 08:39	09/25/23 11:24	1

Lab Sample ID: LCS 880-63187/1-A

Matrix: Solid

Analysis Batch: 63183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09824		mg/Kg		98	70 - 130
Toluene	0.100	0.1035		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2213		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1090		mg/Kg		109	70 - 130

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

Lab Sample ID: LCSD 880-63187/2-A

Matrix: Solid

Analysis Batch: 63183

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63187

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09053		mg/Kg		91	70 - 130	8	35

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: LCSD 880-63187/2-A

Matrix: Solid

Analysis Batch: 63183

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63187

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09587		mg/Kg		96	70 - 130	8	35
Ethylbenzene	0.100	0.09682		mg/Kg		97	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		103	70 - 130	8	35
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130	7	35

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

Lab Sample ID: 890-5322-1 MS

Matrix: Solid

Analysis Batch: 63183

Client Sample ID: B-14-S-4'-092123

Prep Type: Total/NA

Prep Batch: 63187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08472		mg/Kg		85	70 - 130
Toluene	<0.00200	U	0.0998	0.09480		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.09506		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2009		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09958		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-5322-1 MSD

Matrix: Solid

Analysis Batch: 63183

Client Sample ID: B-14-S-4'-092123

Prep Type: Total/NA

Prep Batch: 63187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08138		mg/Kg		82	70 - 130	4	35
Toluene	<0.00200	U	0.0990	0.09016		mg/Kg		91	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0990	0.09062		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1926		mg/Kg		97	70 - 130	4	35
o-Xylene	<0.00200	U	0.0990	0.09519		mg/Kg		96	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-62371/1-A

Matrix: Solid

Analysis Batch: 62395

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/13/23 14:38	09/14/23 08:16	1

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: MB 880-62371/1-A

Matrix: Solid

Analysis Batch: 62395

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/13/23 14:38	09/14/23 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/13/23 14:38	09/14/23 08:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130				09/13/23 14:38	09/14/23 08:16	1
o-Terphenyl	143	S1+	70 - 130				09/13/23 14:38	09/14/23 08:16	1

Lab Sample ID: LCS 880-62371/2-A

Matrix: Solid

Analysis Batch: 62395

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1146		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1115		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	122		70 - 130				
o-Terphenyl	134	S1+	70 - 130				

Lab Sample ID: LCSD 880-62371/3-A

Matrix: Solid

Analysis Batch: 62395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62371

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1103		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 880-33190-1 MS

Matrix: Solid

Analysis Batch: 62395

Client Sample ID: B-1-S-6"-091223

Prep Type: Total/NA

Prep Batch: 62371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	24.9	J	1010	931.2		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	147		1010	1184		mg/Kg		103	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	163	S1+	70 - 130						
o-Terphenyl	133	S1+	70 - 130						

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: 880-33190-1 MSD

Matrix: Solid

Analysis Batch: 62395

Client Sample ID: B-1-S-6"-091223

Prep Type: Total/NA

Prep Batch: 62371

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	24.9	J	1010	957.8		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	147		1010	1187		mg/Kg		103	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	163	S1+	70 - 130								
o-Terphenyl	131	S1+	70 - 130								

Lab Sample ID: MB 880-62707/1-A

Matrix: Solid

Analysis Batch: 62670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62707

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		09/18/23 07:56	09/18/23 08:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/18/23 07:56	09/18/23 08:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/18/23 07:56	09/18/23 08:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/18/23 07:56	09/18/23 08:04	1
o-Terphenyl	101		70 - 130				09/18/23 07:56	09/18/23 08:04	1

Lab Sample ID: LCS 880-62707/2-A

Matrix: Solid

Analysis Batch: 62670

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62707

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	860.5		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	917.5		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	84		70 - 130						

Lab Sample ID: LCSD 880-62707/3-A

Matrix: Solid

Analysis Batch: 62670

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62707

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	868.7		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	915.0		mg/Kg		92	70 - 130	0	20

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: LCSD 880-62707/3-A

Matrix: Solid

Analysis Batch: 62670

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62707

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: MB 880-62912/1-A

Matrix: Solid

Analysis Batch: 62862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62912

	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		09/20/23 12:31	09/20/23 22:43	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/20/23 12:31	09/20/23 22:43	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/20/23 12:31	09/20/23 22:43	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	107		70 - 130				09/20/23 12:31	09/20/23 22:43	1	
o-Terphenyl	123		70 - 130				09/20/23 12:31	09/20/23 22:43	1	

Lab Sample ID: LCS 880-62912/2-A

Matrix: Solid

Analysis Batch: 62862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62912

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	914.8		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	916.0		mg/Kg		92	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	74		70 - 130								
o-Terphenyl	73		70 - 130								

Lab Sample ID: LCSD 880-62912/3-A

Matrix: Solid

Analysis Batch: 62862

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62912

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	847.8		mg/Kg		85	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	900.7		mg/Kg		90	70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	92		70 - 130								

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: 890-5291-1 MS

Matrix: Solid

Analysis Batch: 62862

Client Sample ID: SW-3-5-0-4-091823

Prep Type: Total/NA

Prep Batch: 62912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	778.6		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	882.5		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	114		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 890-5291-1 MSD

Matrix: Solid

Analysis Batch: 62862

Client Sample ID: SW-3-5-0-4-091823

Prep Type: Total/NA

Prep Batch: 62912

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	758.9		mg/Kg		73	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	898.4		mg/Kg		89	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: MB 880-62999/1-A

Matrix: Solid

Analysis Batch: 62961

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.00	J	50.0	15.0	mg/Kg		09/21/23 14:25	09/21/23 19:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/21/23 14:25	09/21/23 19:43	1
Oil Range Organics (Over C28-C36)	17.61	J	50.0	15.0	mg/Kg		09/21/23 14:25	09/21/23 19:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	170	S1+	70 - 130				09/21/23 14:25	09/21/23 19:43	1
o-Terphenyl	198	S1+	70 - 130				09/21/23 14:25	09/21/23 19:43	1

Lab Sample ID: LCS 880-62999/2-A

Matrix: Solid

Analysis Batch: 62961

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	884.8		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	866.0		mg/Kg		87	70 - 130

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: LCS 880-62999/2-A

Matrix: Solid

Analysis Batch: 62961

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62999

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-62999/3-A

Matrix: Solid

Analysis Batch: 62961

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62999

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	880.5		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	835.3		mg/Kg		84	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-33478-A-1-D MS

Matrix: Solid

Analysis Batch: 62961

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 62999

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	29.0	J B F2	997	1282		mg/Kg		126	70 - 130		
Diesel Range Organics (Over C10-C28)	75.9		997	1142		mg/Kg		107	70 - 130		

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

Lab Sample ID: 880-33478-A-1-E MSD

Matrix: Solid

Analysis Batch: 62961

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 62999

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	29.0	J B F2	997	868.4	F2	mg/Kg		84	70 - 130	38	20
Diesel Range Organics (Over C10-C28)	75.9		997	990.3		mg/Kg		92	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	104		70 - 130

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: MB 880-63226/1-A

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63226

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		09/25/23 08:00	09/25/23 08:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/25/23 08:00	09/25/23 08:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/25/23 08:00	09/25/23 08:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	09/25/23 08:00	09/25/23 08:12	1
o-Terphenyl	99		70 - 130	09/25/23 08:00	09/25/23 08:12	1

Lab Sample ID: LCS 880-63226/2-A

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	767.1		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1099		mg/Kg		110	70 - 130

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

Lab Sample ID: LCSD 880-63226/3-A

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63226

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	921.2		mg/Kg		92	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	883.8	*1	mg/Kg		88	70 - 130	22	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 890-5322-1 MS

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: B-14-S-4'-092123

Prep Type: Total/NA

Prep Batch: 63226

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	993	652.3	F1	mg/Kg		63	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1 *1	993	693.1	F1	mg/Kg		68	70 - 130

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: 890-5322-1 MS

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: B-14-S-4'-092123

Prep Type: Total/NA

Prep Batch: 63226

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 890-5322-1 MSD

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: B-14-S-4'-092123

Prep Type: Total/NA

Prep Batch: 63226

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	993	651.6	F1	mg/Kg		63	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1 *1	993	669.7	F1	mg/Kg		66	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: MB 880-63229/1-A

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/25/23 12:16	09/25/23 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/25/23 12:16	09/25/23 21:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/25/23 12:16	09/25/23 21:10	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	94		70 - 130	09/25/23 12:16	09/25/23 21:10	1
o-Terphenyl	111		70 - 130	09/25/23 12:16	09/25/23 21:10	1

Lab Sample ID: LCS 880-63229/2-A

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	905.7		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	963.3		mg/Kg		96	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	99		70 - 130

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Lab Sample ID: LCSD 880-63229/3-A

Matrix: Solid

Analysis Batch: 63178

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63229

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	264.5	*- *1	mg/Kg		26	70 - 130	110	20
Diesel Range Organics (Over C10-C28)	1000	33.12	J *- *1	mg/Kg		3	70 - 130	187	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	6	S1-	70 - 130						
o-Terphenyl	3	S1-	70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-62352/1-A

Matrix: Solid

Analysis Batch: 62393

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	0.395	mg/Kg			09/13/23 18:41	1

Lab Sample ID: LCS 880-62352/2-A

Matrix: Solid

Analysis Batch: 62393

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	249.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-62352/3-A

Matrix: Solid

Analysis Batch: 62393

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	246.1		mg/Kg		98	90 - 110	1	20

Lab Sample ID: MB 880-62676/1-A

Matrix: Solid

Analysis Batch: 62764

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			09/18/23 15:32	1

Lab Sample ID: LCS 880-62676/2-A

Matrix: Solid

Analysis Batch: 62764

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	242.6		mg/Kg		97	90 - 110		

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-62676/3-A

Matrix: Solid

Analysis Batch: 62764

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	242.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-62763/1-A

Matrix: Solid

Analysis Batch: 62765

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			09/18/23 16:26	1

Lab Sample ID: LCS 880-62763/2-A

Matrix: Solid

Analysis Batch: 62765

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	248.5		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-62763/3-A

Matrix: Solid

Analysis Batch: 62765

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-5275-5 MS

Matrix: Solid

Analysis Batch: 62765

Client Sample ID: SW-2-4' -091423

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	813	F1	1260	2219	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 890-5275-5 MSD

Matrix: Solid

Analysis Batch: 62765

Client Sample ID: SW-2-4' -091423

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	813	F1	1260	2224	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: MB 880-62916/1-A

Matrix: Solid

Analysis Batch: 62917

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			09/20/23 13:37	1

Lab Sample ID: LCS 880-62916/2-A

Matrix: Solid

Analysis Batch: 62917

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	243.6		mg/Kg		97	90 - 110		

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-62916/3-A

Matrix: Solid

Analysis Batch: 62917

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	243.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-62781/1-A

Matrix: Solid

Analysis Batch: 63068

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	0.395	mg/Kg			09/21/23 21:22	1

Lab Sample ID: LCS 880-62781/2-A

Matrix: Solid

Analysis Batch: 63068

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	245.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-62781/3-A

Matrix: Solid

Analysis Batch: 63068

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	245.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-63231/1-A

Matrix: Solid

Analysis Batch: 63232

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			09/25/23 14:22	1

Lab Sample ID: LCS 880-63231/2-A

Matrix: Solid

Analysis Batch: 63232

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	254.4		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-63231/3-A

Matrix: Solid

Analysis Batch: 63232

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	250.0		mg/Kg		100	90 - 110	2	20

Lab Sample ID: 890-5322-1 MS

Matrix: Solid

Analysis Batch: 63232

Client Sample ID: B-14-S-4'-092123

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1450		2530	4205		mg/Kg		109	90 - 110		

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QC Sample Results

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-5322-1 MSD						Client Sample ID: B-14-S-4'-092123						
Matrix: Solid						Prep Type: Soluble						
Analysis Batch: 63232												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	1450		2530	4200		mg/Kg		109	90 - 110	0	20	

QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

GC VOA

Analysis Batch: 62370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Total/NA	Solid	8021B	62376
880-33190-2	B-2-S-6"-091223	Total/NA	Solid	8021B	62376
880-33190-3	B-3-S-1'-091223	Total/NA	Solid	8021B	62376
880-33190-4	B-4-S-6"-091223	Total/NA	Solid	8021B	62376
880-33190-5	B-5-S-6"-091223	Total/NA	Solid	8021B	62376
MB 880-62376/5-A	Method Blank	Total/NA	Solid	8021B	62376
LCS 880-62376/1-A	Lab Control Sample	Total/NA	Solid	8021B	62376
LCSD 880-62376/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62376

Prep Batch: 62376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Total/NA	Solid	5030B	
880-33190-2	B-2-S-6"-091223	Total/NA	Solid	5030B	
880-33190-3	B-3-S-1'-091223	Total/NA	Solid	5030B	
880-33190-4	B-4-S-6"-091223	Total/NA	Solid	5030B	
880-33190-5	B-5-S-6"-091223	Total/NA	Solid	5030B	
MB 880-62376/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-62376/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-62376/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 62463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Total/NA	Solid	Total BTEX	
880-33190-2	B-2-S-6"-091223	Total/NA	Solid	Total BTEX	
880-33190-3	B-3-S-1'-091223	Total/NA	Solid	Total BTEX	
880-33190-4	B-4-S-6"-091223	Total/NA	Solid	Total BTEX	
880-33190-5	B-5-S-6"-091223	Total/NA	Solid	Total BTEX	

Prep Batch: 62601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-62601/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 62615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Total/NA	Solid	5035	
890-5275-2	B-7-S-4 '-091423	Total/NA	Solid	5035	
890-5275-3	B-8-S-4 ' -091423	Total/NA	Solid	5035	
890-5275-4	SW-1-4' -091423	Total/NA	Solid	5035	
890-5275-5	SW-2-4' -091423	Total/NA	Solid	5035	
MB 880-62615/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-62615/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-62615/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 62660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Total/NA	Solid	8021B	62615
890-5275-2	B-7-S-4 '-091423	Total/NA	Solid	8021B	62615
890-5275-3	B-8-S-4 ' -091423	Total/NA	Solid	8021B	62615
890-5275-4	SW-1-4' -091423	Total/NA	Solid	8021B	62615
890-5275-5	SW-2-4' -091423	Total/NA	Solid	8021B	62615
MB 880-62601/5-A	Method Blank	Total/NA	Solid	8021B	62601

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

GC VOA (Continued)

Analysis Batch: 62660 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-62615/5-A	Method Blank	Total/NA	Solid	8021B	62615
LCS 880-62615/1-A	Lab Control Sample	Total/NA	Solid	8021B	62615
LCSD 880-62615/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62615

Analysis Batch: 62772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Total/NA	Solid	Total BTEX	
890-5275-2	B-7-S-4 '-091423	Total/NA	Solid	Total BTEX	
890-5275-3	B-8-S-4 ' -091423	Total/NA	Solid	Total BTEX	
890-5275-4	SW-1-4' -091423	Total/NA	Solid	Total BTEX	
890-5275-5	SW-2-4' -091423	Total/NA	Solid	Total BTEX	

Prep Batch: 62786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Total/NA	Solid	5030B	
880-33478-2	SW-8-S-0-4'-092023	Total/NA	Solid	5030B	
880-33478-3	SW-9-S-0-4'-092023	Total/NA	Solid	5030B	
MB 880-62786/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-62786/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-62786/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 62867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Total/NA	Solid	8021B	62869
890-5291-2	SW-4-5-0-4-091823	Total/NA	Solid	8021B	62869
890-5291-3	B-9-S-4-091823	Total/NA	Solid	8021B	62869
890-5291-4	B-10-S-4-091823	Total/NA	Solid	8021B	62869
890-5291-5	B-11-S-4-091823	Total/NA	Solid	8021B	62869
890-5291-6	B-12-S-4-091823	Total/NA	Solid	8021B	62869
890-5291-7	B-13-S-4-091823	Total/NA	Solid	8021B	62869
890-5291-8	SW-5-S-0-4-091823	Total/NA	Solid	8021B	62869
890-5291-9	SW-6-S-0-4-091823	Total/NA	Solid	8021B	62869
MB 880-62869/5-A	Method Blank	Total/NA	Solid	8021B	62869
LCS 880-62869/1-A	Lab Control Sample	Total/NA	Solid	8021B	62869
LCSD 880-62869/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62869

Prep Batch: 62869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Total/NA	Solid	5035	
890-5291-2	SW-4-5-0-4-091823	Total/NA	Solid	5035	
890-5291-3	B-9-S-4-091823	Total/NA	Solid	5035	
890-5291-4	B-10-S-4-091823	Total/NA	Solid	5035	
890-5291-5	B-11-S-4-091823	Total/NA	Solid	5035	
890-5291-6	B-12-S-4-091823	Total/NA	Solid	5035	
890-5291-7	B-13-S-4-091823	Total/NA	Solid	5035	
890-5291-8	SW-5-S-0-4-091823	Total/NA	Solid	5035	
890-5291-9	SW-6-S-0-4-091823	Total/NA	Solid	5035	
MB 880-62869/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-62869/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-62869/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

GC VOA

Prep Batch: 62886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-62886/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 62922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Total/NA	Solid	Total BTEX	
890-5291-2	SW-4-5-0-4-091823	Total/NA	Solid	Total BTEX	
890-5291-3	B-9-S-4-091823	Total/NA	Solid	Total BTEX	
890-5291-4	B-10-S-4-091823	Total/NA	Solid	Total BTEX	
890-5291-5	B-11-S-4-091823	Total/NA	Solid	Total BTEX	
890-5291-6	B-12-S-4-091823	Total/NA	Solid	Total BTEX	
890-5291-7	B-13-S-4-091823	Total/NA	Solid	Total BTEX	
890-5291-8	SW-5-S-0-4-091823	Total/NA	Solid	Total BTEX	
890-5291-9	SW-6-S-0-4-091823	Total/NA	Solid	Total BTEX	

Analysis Batch: 62964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Total/NA	Solid	8021B	62786
880-33478-2	SW-8-S-0-4'-092023	Total/NA	Solid	8021B	62786
880-33478-3	SW-9-S-0-4'-092023	Total/NA	Solid	8021B	62786
MB 880-62786/5-A	Method Blank	Total/NA	Solid	8021B	62786
MB 880-62886/5-A	Method Blank	Total/NA	Solid	8021B	62886
LCS 880-62786/1-A	Lab Control Sample	Total/NA	Solid	8021B	62786
LCSD 880-62786/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62786

Analysis Batch: 63052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Total/NA	Solid	Total BTEX	
880-33478-2	SW-8-S-0-4'-092023	Total/NA	Solid	Total BTEX	
880-33478-3	SW-9-S-0-4'-092023	Total/NA	Solid	Total BTEX	

Analysis Batch: 63183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-1	B-14-S-4'-092123	Total/NA	Solid	8021B	63187
890-5322-2	B-15-S-4'-092123	Total/NA	Solid	8021B	63187
890-5322-3	B-16-S-4'-092123	Total/NA	Solid	8021B	63187
890-5322-4	B-17-S-4'-092123	Total/NA	Solid	8021B	63187
890-5322-5	B-18-S-4'-092123	Total/NA	Solid	8021B	63187
890-5322-6	B-19-S-4'-092123	Total/NA	Solid	8021B	63187
MB 880-63187/5-A	Method Blank	Total/NA	Solid	8021B	63187
LCS 880-63187/1-A	Lab Control Sample	Total/NA	Solid	8021B	63187
LCSD 880-63187/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63187
890-5322-1 MS	B-14-S-4'-092123	Total/NA	Solid	8021B	63187
890-5322-1 MSD	B-14-S-4'-092123	Total/NA	Solid	8021B	63187

Prep Batch: 63187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-1	B-14-S-4'-092123	Total/NA	Solid	5035	
890-5322-2	B-15-S-4'-092123	Total/NA	Solid	5035	
890-5322-3	B-16-S-4'-092123	Total/NA	Solid	5035	
890-5322-4	B-17-S-4'-092123	Total/NA	Solid	5035	
890-5322-5	B-18-S-4'-092123	Total/NA	Solid	5035	

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

GC VOA (Continued)

Prep Batch: 63187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-6	B-19-S-4'-092123	Total/NA	Solid	5035	
MB 880-63187/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63187/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63187/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5322-1 MS	B-14-S-4'-092123	Total/NA	Solid	5035	
890-5322-1 MSD	B-14-S-4'-092123	Total/NA	Solid	5035	

Analysis Batch: 63271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-1	B-14-S-4'-092123	Total/NA	Solid	Total BTEX	
890-5322-2	B-15-S-4'-092123	Total/NA	Solid	Total BTEX	
890-5322-3	B-16-S-4'-092123	Total/NA	Solid	Total BTEX	
890-5322-4	B-17-S-4'-092123	Total/NA	Solid	Total BTEX	
890-5322-5	B-18-S-4'-092123	Total/NA	Solid	Total BTEX	
890-5322-6	B-19-S-4'-092123	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 62371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Total/NA	Solid	8015NM Prep	
880-33190-2	B-2-S-6"-091223	Total/NA	Solid	8015NM Prep	
880-33190-3	B-3-S-1'-091223	Total/NA	Solid	8015NM Prep	
880-33190-4	B-4-S-6"-091223	Total/NA	Solid	8015NM Prep	
880-33190-5	B-5-S-6"-091223	Total/NA	Solid	8015NM Prep	
MB 880-62371/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62371/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62371/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33190-1 MS	B-1-S-6"-091223	Total/NA	Solid	8015NM Prep	
880-33190-1 MSD	B-1-S-6"-091223	Total/NA	Solid	8015NM Prep	

Analysis Batch: 62395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Total/NA	Solid	8015B NM	62371
880-33190-2	B-2-S-6"-091223	Total/NA	Solid	8015B NM	62371
880-33190-3	B-3-S-1'-091223	Total/NA	Solid	8015B NM	62371
880-33190-4	B-4-S-6"-091223	Total/NA	Solid	8015B NM	62371
880-33190-5	B-5-S-6"-091223	Total/NA	Solid	8015B NM	62371
MB 880-62371/1-A	Method Blank	Total/NA	Solid	8015B NM	62371
LCS 880-62371/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62371
LCSD 880-62371/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62371
880-33190-1 MS	B-1-S-6"-091223	Total/NA	Solid	8015B NM	62371
880-33190-1 MSD	B-1-S-6"-091223	Total/NA	Solid	8015B NM	62371

Analysis Batch: 62496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Total/NA	Solid	8015 NM	
880-33190-2	B-2-S-6"-091223	Total/NA	Solid	8015 NM	
880-33190-3	B-3-S-1'-091223	Total/NA	Solid	8015 NM	
880-33190-4	B-4-S-6"-091223	Total/NA	Solid	8015 NM	
880-33190-5	B-5-S-6"-091223	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

GC Semi VOA

Analysis Batch: 62670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Total/NA	Solid	8015B NM	62707
890-5275-2	B-7-S-4 '-091423	Total/NA	Solid	8015B NM	62707
890-5275-3	B-8-S-4 ' -091423	Total/NA	Solid	8015B NM	62707
890-5275-4	SW-1-4' -091423	Total/NA	Solid	8015B NM	62707
890-5275-5	SW-2-4' -091423	Total/NA	Solid	8015B NM	62707
MB 880-62707/1-A	Method Blank	Total/NA	Solid	8015B NM	62707
LCS 880-62707/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62707
LCSD 880-62707/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62707

Prep Batch: 62707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Total/NA	Solid	8015NM Prep	
890-5275-2	B-7-S-4 '-091423	Total/NA	Solid	8015NM Prep	
890-5275-3	B-8-S-4 ' -091423	Total/NA	Solid	8015NM Prep	
890-5275-4	SW-1-4' -091423	Total/NA	Solid	8015NM Prep	
890-5275-5	SW-2-4' -091423	Total/NA	Solid	8015NM Prep	
MB 880-62707/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62707/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62707/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 62818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Total/NA	Solid	8015 NM	
890-5275-2	B-7-S-4 '-091423	Total/NA	Solid	8015 NM	
890-5275-3	B-8-S-4 ' -091423	Total/NA	Solid	8015 NM	
890-5275-4	SW-1-4' -091423	Total/NA	Solid	8015 NM	
890-5275-5	SW-2-4' -091423	Total/NA	Solid	8015 NM	

Analysis Batch: 62862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-2	SW-4-5-0-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-3	B-9-S-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-4	B-10-S-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-5	B-11-S-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-6	B-12-S-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-7	B-13-S-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-8	SW-5-S-0-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-9	SW-6-S-0-4-091823	Total/NA	Solid	8015B NM	62912
MB 880-62912/1-A	Method Blank	Total/NA	Solid	8015B NM	62912
LCS 880-62912/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62912
LCSD 880-62912/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62912
890-5291-1 MS	SW-3-5-0-4-091823	Total/NA	Solid	8015B NM	62912
890-5291-1 MSD	SW-3-5-0-4-091823	Total/NA	Solid	8015B NM	62912

Prep Batch: 62912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-2	SW-4-5-0-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-3	B-9-S-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-4	B-10-S-4-091823	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

GC Semi VOA (Continued)

Prep Batch: 62912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-5	B-11-S-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-6	B-12-S-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-7	B-13-S-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-8	SW-5-S-0-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-9	SW-6-S-0-4-091823	Total/NA	Solid	8015NM Prep	
MB 880-62912/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62912/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62912/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5291-1 MS	SW-3-5-0-4-091823	Total/NA	Solid	8015NM Prep	
890-5291-1 MSD	SW-3-5-0-4-091823	Total/NA	Solid	8015NM Prep	

Analysis Batch: 62961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-2	SW-8-S-0-4'-092023	Total/NA	Solid	8015B NM	62999
880-33478-3	SW-9-S-0-4'-092023	Total/NA	Solid	8015B NM	62999
MB 880-62999/1-A	Method Blank	Total/NA	Solid	8015B NM	62999
LCS 880-62999/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62999
LCSD 880-62999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62999
880-33478-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	62999
880-33478-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	62999

Analysis Batch: 62995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Total/NA	Solid	8015 NM	
890-5291-2	SW-4-5-0-4-091823	Total/NA	Solid	8015 NM	
890-5291-3	B-9-S-4-091823	Total/NA	Solid	8015 NM	
890-5291-4	B-10-S-4-091823	Total/NA	Solid	8015 NM	
890-5291-5	B-11-S-4-091823	Total/NA	Solid	8015 NM	
890-5291-6	B-12-S-4-091823	Total/NA	Solid	8015 NM	
890-5291-7	B-13-S-4-091823	Total/NA	Solid	8015 NM	
890-5291-8	SW-5-S-0-4-091823	Total/NA	Solid	8015 NM	
890-5291-9	SW-6-S-0-4-091823	Total/NA	Solid	8015 NM	

Prep Batch: 62999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-2	SW-8-S-0-4'-092023	Total/NA	Solid	8015NM Prep	
880-33478-3	SW-9-S-0-4'-092023	Total/NA	Solid	8015NM Prep	
MB 880-62999/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62999/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33478-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-33478-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Total/NA	Solid	8015 NM	
880-33478-2	SW-8-S-0-4'-092023	Total/NA	Solid	8015 NM	
880-33478-3	SW-9-S-0-4'-092023	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

GC Semi VOA

Analysis Batch: 63178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Total/NA	Solid	8015B NM	63229
890-5322-1	B-14-S-4'-092123	Total/NA	Solid	8015B NM	63226
890-5322-2	B-15-S-4'-092123	Total/NA	Solid	8015B NM	63226
890-5322-3	B-16-S-4'-092123	Total/NA	Solid	8015B NM	63226
890-5322-4	B-17-S-4'-092123	Total/NA	Solid	8015B NM	63226
890-5322-5	B-18-S-4'-092123	Total/NA	Solid	8015B NM	63226
890-5322-6	B-19-S-4'-092123	Total/NA	Solid	8015B NM	63226
MB 880-63226/1-A	Method Blank	Total/NA	Solid	8015B NM	63226
MB 880-63229/1-A	Method Blank	Total/NA	Solid	8015B NM	63229
LCS 880-63226/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63226
LCS 880-63229/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63229
LCSD 880-63226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63226
LCSD 880-63229/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63229
890-5322-1 MS	B-14-S-4'-092123	Total/NA	Solid	8015B NM	63226
890-5322-1 MSD	B-14-S-4'-092123	Total/NA	Solid	8015B NM	63226

Prep Batch: 63226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-1	B-14-S-4'-092123	Total/NA	Solid	8015NM Prep	
890-5322-2	B-15-S-4'-092123	Total/NA	Solid	8015NM Prep	
890-5322-3	B-16-S-4'-092123	Total/NA	Solid	8015NM Prep	
890-5322-4	B-17-S-4'-092123	Total/NA	Solid	8015NM Prep	
890-5322-5	B-18-S-4'-092123	Total/NA	Solid	8015NM Prep	
890-5322-6	B-19-S-4'-092123	Total/NA	Solid	8015NM Prep	
MB 880-63226/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63226/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5322-1 MS	B-14-S-4'-092123	Total/NA	Solid	8015NM Prep	
890-5322-1 MSD	B-14-S-4'-092123	Total/NA	Solid	8015NM Prep	

Prep Batch: 63229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Total/NA	Solid	8015NM Prep	
MB 880-63229/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63229/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63229/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-1	B-14-S-4'-092123	Total/NA	Solid	8015 NM	
890-5322-2	B-15-S-4'-092123	Total/NA	Solid	8015 NM	
890-5322-3	B-16-S-4'-092123	Total/NA	Solid	8015 NM	
890-5322-4	B-17-S-4'-092123	Total/NA	Solid	8015 NM	
890-5322-5	B-18-S-4'-092123	Total/NA	Solid	8015 NM	
890-5322-6	B-19-S-4'-092123	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 62352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Soluble	Solid	DI Leach	

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

HPLC/IC (Continued)

Leach Batch: 62352 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-2	B-2-S-6"-091223	Soluble	Solid	DI Leach	
880-33190-3	B-3-S-1'-091223	Soluble	Solid	DI Leach	
880-33190-4	B-4-S-6"-091223	Soluble	Solid	DI Leach	
880-33190-5	B-5-S-6"-091223	Soluble	Solid	DI Leach	
MB 880-62352/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62352/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62352/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 62393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33190-1	B-1-S-6"-091223	Soluble	Solid	300.0	62352
880-33190-2	B-2-S-6"-091223	Soluble	Solid	300.0	62352
880-33190-3	B-3-S-1'-091223	Soluble	Solid	300.0	62352
880-33190-4	B-4-S-6"-091223	Soluble	Solid	300.0	62352
880-33190-5	B-5-S-6"-091223	Soluble	Solid	300.0	62352
MB 880-62352/1-A	Method Blank	Soluble	Solid	300.0	62352
LCS 880-62352/2-A	Lab Control Sample	Soluble	Solid	300.0	62352
LCSD 880-62352/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62352

Leach Batch: 62676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Soluble	Solid	DI Leach	
890-5275-2	B-7-S-4 '-091423	Soluble	Solid	DI Leach	
890-5275-3	B-8-S-4 ' -091423	Soluble	Solid	DI Leach	
890-5275-4	SW-1-4' -091423	Soluble	Solid	DI Leach	
MB 880-62676/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62676/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62676/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 62763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-5	SW-2-4' -091423	Soluble	Solid	DI Leach	
MB 880-62763/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62763/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62763/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5275-5 MS	SW-2-4' -091423	Soluble	Solid	DI Leach	
890-5275-5 MSD	SW-2-4' -091423	Soluble	Solid	DI Leach	

Analysis Batch: 62764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-1	B-6-S-4 '-091423	Soluble	Solid	300.0	62676
890-5275-2	B-7-S-4 '-091423	Soluble	Solid	300.0	62676
890-5275-3	B-8-S-4 ' -091423	Soluble	Solid	300.0	62676
890-5275-4	SW-1-4' -091423	Soluble	Solid	300.0	62676
MB 880-62676/1-A	Method Blank	Soluble	Solid	300.0	62676
LCS 880-62676/2-A	Lab Control Sample	Soluble	Solid	300.0	62676
LCSD 880-62676/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62676

Analysis Batch: 62765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5275-5	SW-2-4' -091423	Soluble	Solid	300.0	62763

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

HPLC/IC (Continued)

Analysis Batch: 62765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-62763/1-A	Method Blank	Soluble	Solid	300.0	62763
LCS 880-62763/2-A	Lab Control Sample	Soluble	Solid	300.0	62763
LCSD 880-62763/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62763
890-5275-5 MS	SW-2-4' -091423	Soluble	Solid	300.0	62763
890-5275-5 MSD	SW-2-4' -091423	Soluble	Solid	300.0	62763

Leach Batch: 62781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Soluble	Solid	DI Leach	
880-33478-2	SW-8-S-0-4'-092023	Soluble	Solid	DI Leach	
880-33478-3	SW-9-S-0-4'-092023	Soluble	Solid	DI Leach	
MB 880-62781/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62781/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62781/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 62916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Soluble	Solid	DI Leach	
890-5291-2	SW-4-5-0-4-091823	Soluble	Solid	DI Leach	
890-5291-3	B-9-S-4-091823	Soluble	Solid	DI Leach	
890-5291-4	B-10-S-4-091823	Soluble	Solid	DI Leach	
890-5291-5	B-11-S-4-091823	Soluble	Solid	DI Leach	
890-5291-6	B-12-S-4-091823	Soluble	Solid	DI Leach	
890-5291-7	B-13-S-4-091823	Soluble	Solid	DI Leach	
890-5291-8	SW-5-S-0-4-091823	Soluble	Solid	DI Leach	
890-5291-9	SW-6-S-0-4-091823	Soluble	Solid	DI Leach	
MB 880-62916/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62916/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62916/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 62917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5291-1	SW-3-5-0-4-091823	Soluble	Solid	300.0	62916
890-5291-2	SW-4-5-0-4-091823	Soluble	Solid	300.0	62916
890-5291-3	B-9-S-4-091823	Soluble	Solid	300.0	62916
890-5291-4	B-10-S-4-091823	Soluble	Solid	300.0	62916
890-5291-5	B-11-S-4-091823	Soluble	Solid	300.0	62916
890-5291-6	B-12-S-4-091823	Soluble	Solid	300.0	62916
890-5291-7	B-13-S-4-091823	Soluble	Solid	300.0	62916
890-5291-8	SW-5-S-0-4-091823	Soluble	Solid	300.0	62916
890-5291-9	SW-6-S-0-4-091823	Soluble	Solid	300.0	62916
MB 880-62916/1-A	Method Blank	Soluble	Solid	300.0	62916
LCS 880-62916/2-A	Lab Control Sample	Soluble	Solid	300.0	62916
LCSD 880-62916/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62916

Analysis Batch: 63068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33478-1	SW-7-S-0-4'-092023	Soluble	Solid	300.0	62781
880-33478-2	SW-8-S-0-4'-092023	Soluble	Solid	300.0	62781
880-33478-3	SW-9-S-0-4'-092023	Soluble	Solid	300.0	62781
MB 880-62781/1-A	Method Blank	Soluble	Solid	300.0	62781

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QC Association Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

HPLC/IC (Continued)

Analysis Batch: 63068 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-62781/2-A	Lab Control Sample	Soluble	Solid	300.0	62781
LCSD 880-62781/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62781

Leach Batch: 63231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-1	B-14-S-4'-092123	Soluble	Solid	DI Leach	
890-5322-2	B-15-S-4'-092123	Soluble	Solid	DI Leach	
890-5322-3	B-16-S-4'-092123	Soluble	Solid	DI Leach	
890-5322-4	B-17-S-4'-092123	Soluble	Solid	DI Leach	
890-5322-5	B-18-S-4'-092123	Soluble	Solid	DI Leach	
890-5322-6	B-19-S-4'-092123	Soluble	Solid	DI Leach	
MB 880-63231/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63231/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63231/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5322-1 MS	B-14-S-4'-092123	Soluble	Solid	DI Leach	
890-5322-1 MSD	B-14-S-4'-092123	Soluble	Solid	DI Leach	

Analysis Batch: 63232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5322-1	B-14-S-4'-092123	Soluble	Solid	300.0	63231
890-5322-2	B-15-S-4'-092123	Soluble	Solid	300.0	63231
890-5322-3	B-16-S-4'-092123	Soluble	Solid	300.0	63231
890-5322-4	B-17-S-4'-092123	Soluble	Solid	300.0	63231
890-5322-5	B-18-S-4'-092123	Soluble	Solid	300.0	63231
890-5322-6	B-19-S-4'-092123	Soluble	Solid	300.0	63231
MB 880-63231/1-A	Method Blank	Soluble	Solid	300.0	63231
LCS 880-63231/2-A	Lab Control Sample	Soluble	Solid	300.0	63231
LCSD 880-63231/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63231
890-5322-1 MS	B-14-S-4'-092123	Soluble	Solid	300.0	63231
890-5322-1 MSD	B-14-S-4'-092123	Soluble	Solid	300.0	63231

Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-1-S-6"-091223**Lab Sample ID: 880-33190-1****Date Collected: 09/12/23 13:00****Matrix: Solid****Date Received: 09/13/23 12:01**

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	62376	09/13/23 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62370	09/14/23 01:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62463	09/14/23 14:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			62496	09/14/23 19:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	62371	09/13/23 14:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62395	09/14/23 10:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	62352	09/13/23 12:12	AG	EET MID
Soluble	Analysis	300.0		10			62393	09/13/23 19:38	CH	EET MID

Client Sample ID: B-2-S-6"-091223**Lab Sample ID: 880-33190-2****Date Collected: 09/12/23 13:10****Matrix: Solid****Date Received: 09/13/23 12:01**

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	62376	09/13/23 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62370	09/14/23 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62463	09/14/23 14:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			62496	09/14/23 19:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	62371	09/13/23 14:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62395	09/14/23 11:55	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62352	09/13/23 12:12	AG	EET MID
Soluble	Analysis	300.0		20			62393	09/13/23 19:58	CH	EET MID

Client Sample ID: B-3-S-1'-091223**Lab Sample ID: 880-33190-3****Date Collected: 09/12/23 13:20****Matrix: Solid****Date Received: 09/13/23 12:01**

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	62376	09/13/23 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62370	09/14/23 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62463	09/14/23 14:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			62496	09/14/23 19:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	62371	09/13/23 14:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62395	09/14/23 12:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62352	09/13/23 12:12	AG	EET MID
Soluble	Analysis	300.0		10			62393	09/13/23 20:04	CH	EET MID

Client Sample ID: B-4-S-6"-091223**Lab Sample ID: 880-33190-4****Date Collected: 09/12/23 13:30****Matrix: Solid****Date Received: 09/13/23 12:01**

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	62376	09/13/23 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62370	09/14/23 02:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62463	09/14/23 14:02	SM	EET MID

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Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-4-S-6"-091223

Lab Sample ID: 880-33190-4

Date Collected: 09/12/23 13:30

Matrix: Solid

Date Received: 09/13/23 12:01

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			62496	09/14/23 19:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	62371	09/13/23 14:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62395	09/14/23 12:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	62352	09/13/23 12:12	AG	EET MID
Soluble	Analysis	300.0		10			62393	09/13/23 20:11	CH	EET MID

Client Sample ID: B-5-S-6"-091223

Lab Sample ID: 880-33190-5

Date Collected: 09/12/23 13:40

Matrix: Solid

Date Received: 09/13/23 12:01

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	62376	09/13/23 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62370	09/14/23 02:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62463	09/14/23 14:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			62496	09/14/23 19:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	62371	09/13/23 14:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62395	09/14/23 13:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62352	09/13/23 12:12	AG	EET MID
Soluble	Analysis	300.0		5			62393	09/13/23 20:17	CH	EET MID

Client Sample ID: SW-7-S-0-4'-092023

Lab Sample ID: 880-33478-1

Date Collected: 09/20/23 11:00

Matrix: Solid

Date Received: 09/21/23 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.04 g	5 mL	62786	09/21/23 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62964	09/22/23 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63052	09/22/23 02:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			63084	09/25/23 23:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63229	09/25/23 12:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63178	09/25/23 23:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	62781	09/21/23 09:17	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63068	09/21/23 22:16	SMC	EET MID

Client Sample ID: SW-8-S-0-4'-092023

Lab Sample ID: 880-33478-2

Date Collected: 09/20/23 11:10

Matrix: Solid

Date Received: 09/21/23 09:01

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	62786	09/21/23 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62964	09/22/23 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63052	09/22/23 02:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			63084	09/21/23 21:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	62999	09/21/23 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62961	09/21/23 21:50	SM	EET MID

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Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-8-S-0-4'-092023

Lab Sample ID: 880-33478-2

Date Collected: 09/20/23 11:10

Matrix: Solid

Date Received: 09/21/23 09:01

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	62781	09/21/23 09:17	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63068	09/21/23 22:22	SMC	EET MID

Client Sample ID: SW-9-S-0-4'-092023

Lab Sample ID: 880-33478-3

Date Collected: 09/20/23 11:20

Matrix: Solid

Date Received: 09/21/23 09:01

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	62786	09/21/23 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62964	09/22/23 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63052	09/22/23 03:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			63084	09/21/23 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62999	09/21/23 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62961	09/21/23 22:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62781	09/21/23 09:17	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63068	09/21/23 22:42	SMC	EET MID

Client Sample ID: B-6-S-4 '-091423

Lab Sample ID: 890-5275-1

Date Collected: 09/14/23 13:00

Matrix: Solid

Date Received: 09/15/23 09:21

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	62615	09/15/23 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62660	09/18/23 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62772	09/18/23 16:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			62818	09/18/23 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	62707	09/18/23 10:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62670	09/18/23 14:02	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	62676	09/18/23 08:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62764	09/18/23 17:17	CH	EET MID

Client Sample ID: B-7-S-4 '-091423

Lab Sample ID: 890-5275-2

Date Collected: 09/14/23 13:10

Matrix: Solid

Date Received: 09/15/23 09:21

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	62615	09/15/23 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62660	09/18/23 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62772	09/18/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			62818	09/18/23 14:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	62707	09/18/23 10:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62670	09/18/23 14:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62676	09/18/23 08:58	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62764	09/18/23 17:24	CH	EET MID

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Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-8-S-4 ' -091423**Lab Sample ID: 890-5275-3****Date Collected: 09/14/23 13:20****Matrix: Solid****Date Received: 09/15/23 09:21**

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	62615	09/15/23 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62660	09/18/23 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62772	09/18/23 17:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			62818	09/18/23 14:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62707	09/18/23 10:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62670	09/18/23 14:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62676	09/18/23 08:58	AG	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	62764	09/18/23 17:30	CH	EET MID

Client Sample ID: SW-1-4' -091423**Lab Sample ID: 890-5275-4****Date Collected: 09/14/23 14:00****Matrix: Solid****Date Received: 09/15/23 09:21**

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	62615	09/15/23 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62660	09/18/23 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62772	09/18/23 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			62818	09/18/23 15:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	62707	09/18/23 10:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62670	09/18/23 15:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	62676	09/18/23 08:58	AG	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	62764	09/18/23 17:37	CH	EET MID

Client Sample ID: SW-2-4' -091423**Lab Sample ID: 890-5275-5****Date Collected: 09/14/23 14:10****Matrix: Solid****Date Received: 09/15/23 09:21**

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	62615	09/15/23 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62660	09/18/23 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62772	09/18/23 17:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			62818	09/18/23 16:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	62707	09/18/23 10:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62670	09/18/23 16:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	62763	09/18/23 08:58	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62765	09/18/23 17:06	CH	EET MID

Client Sample ID: SW-3-5-0-4-091823**Lab Sample ID: 890-5291-1****Date Collected: 09/18/23 09:00****Matrix: Solid****Date Received: 09/18/23 16:37**

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 12:15	SM	EET MID

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Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-3-5-0-4-091823

Lab Sample ID: 890-5291-1

Date Collected: 09/18/23 09:00

Matrix: Solid

Date Received: 09/18/23 16:37

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			62995	09/20/23 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/20/23 23:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62917	09/20/23 14:17	CH	EET MID

Client Sample ID: SW-4-5-0-4-091823

Lab Sample ID: 890-5291-2

Date Collected: 09/18/23 09:10

Matrix: Solid

Date Received: 09/18/23 16:37

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 00:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 00:47	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62917	09/20/23 14:23	CH	EET MID

Client Sample ID: B-9-S-4-091823

Lab Sample ID: 890-5291-3

Date Collected: 09/18/23 09:30

Matrix: Solid

Date Received: 09/18/23 16:37

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 12:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 01:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	62917	09/20/23 14:30	CH	EET MID

Client Sample ID: B-10-S-4-091823

Lab Sample ID: 890-5291-4

Date Collected: 09/18/23 09:40

Matrix: Solid

Date Received: 09/18/23 16:37

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 01:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 01:28	SM	EET MID

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Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-10-S-4-091823**Lab Sample ID: 890-5291-4****Date Collected: 09/18/23 09:40****Matrix: Solid****Date Received: 09/18/23 16:37**

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	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62917	09/20/23 14:37	CH	EET MID

Client Sample ID: B-11-S-4-091823**Lab Sample ID: 890-5291-5****Date Collected: 09/18/23 09:50****Matrix: Solid****Date Received: 09/18/23 16:37**

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 01:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 01:49	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62917	09/20/23 14:57	CH	EET MID

Client Sample ID: B-12-S-4-091823**Lab Sample ID: 890-5291-6****Date Collected: 09/18/23 10:00****Matrix: Solid****Date Received: 09/18/23 16:37**

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 13:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 02:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 02:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	62917	09/20/23 15:03	CH	EET MID

Client Sample ID: B-13-S-4-091823**Lab Sample ID: 890-5291-7****Date Collected: 09/18/23 10:10****Matrix: Solid****Date Received: 09/18/23 16:37**

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 14:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 02:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 02:30	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	62917	09/20/23 15:10	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: SW-5-S-0-4-091823

Lab Sample ID: 890-5291-8

Date Collected: 09/18/23 15:00

Matrix: Solid

Date Received: 09/18/23 16:37

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 16:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 16:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 02:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 02:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62917	09/20/23 15:17	CH	EET MID

Client Sample ID: SW-6-S-0-4-091823

Lab Sample ID: 890-5291-9

Date Collected: 09/18/23 15:10

Matrix: Solid

Date Received: 09/18/23 16:37

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	62869	09/20/23 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62867	09/20/23 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62922	09/20/23 16:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			62995	09/21/23 03:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	62912	09/20/23 12:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62862	09/21/23 03:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	62916	09/20/23 13:21	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62917	09/20/23 15:23	CH	EET MID

Client Sample ID: B-14-S-4'-092123

Lab Sample ID: 890-5322-1

Date Collected: 09/21/23 11:00

Matrix: Solid

Date Received: 09/21/23 14:58

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	63187	09/25/23 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63183	09/25/23 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63271	09/25/23 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			63267	09/25/23 12:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63226	09/25/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63178	09/25/23 12:13	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63231	09/25/23 12:52	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	63232	09/25/23 14:41	CH	EET MID

Client Sample ID: B-15-S-4'-092123

Lab Sample ID: 890-5322-2

Date Collected: 09/21/23 11:10

Matrix: Solid

Date Received: 09/21/23 14:58

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	63187	09/25/23 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63183	09/25/23 12:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63271	09/25/23 12:06	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-15-S-4'-092123

Lab Sample ID: 890-5322-2

Date Collected: 09/21/23 11:10

Matrix: Solid

Date Received: 09/21/23 14:58

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			63267	09/25/23 13:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63226	09/25/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63178	09/25/23 13:22	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63231	09/25/23 12:52	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	63232	09/25/23 15:01	CH	EET MID

Client Sample ID: B-16-S-4'-092123

Lab Sample ID: 890-5322-3

Date Collected: 09/21/23 11:20

Matrix: Solid

Date Received: 09/21/23 14:58

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	63187	09/25/23 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63183	09/25/23 12:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63271	09/25/23 12:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			63267	09/25/23 13:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63226	09/25/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63178	09/25/23 13:46	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63231	09/25/23 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	63232	09/25/23 15:08	CH	EET MID

Client Sample ID: B-17-S-4'-092123

Lab Sample ID: 890-5322-4

Date Collected: 09/21/23 11:30

Matrix: Solid

Date Received: 09/21/23 14:58

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	63187	09/25/23 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63183	09/25/23 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63271	09/25/23 12:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			63267	09/25/23 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	63226	09/25/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63178	09/25/23 14:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63231	09/25/23 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63232	09/25/23 15:14	CH	EET MID

Client Sample ID: B-18-S-4'-092123

Lab Sample ID: 890-5322-5

Date Collected: 09/21/23 11:40

Matrix: Solid

Date Received: 09/21/23 14:58

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	63187	09/25/23 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63183	09/25/23 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63271	09/25/23 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			63267	09/25/23 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63226	09/25/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63178	09/25/23 14:33	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Client Sample ID: B-18-S-4'-092123
Date Collected: 09/21/23 11:40
Date Received: 09/21/23 14:58

Lab Sample ID: 890-5322-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	63231	09/25/23 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	63232	09/25/23 15:21	CH	EET MID

Client Sample ID: B-19-S-4'-092123
Date Collected: 09/21/23 11:50
Date Received: 09/21/23 14:58

Lab Sample ID: 890-5322-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63187	09/25/23 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63183	09/25/23 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63271	09/25/23 13:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			63267	09/25/23 14:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63226	09/25/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63178	09/25/23 14:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63231	09/25/23 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	63232	09/25/23 15:41	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 US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: ARCADIS US Inc
Project/Site: Graham Cracker 2 state 1 H

Job ID: 890-5322-1
SDG: 88001886

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-33190-1	B-1-S-6"-091223	Solid	09/12/23 13:00	09/13/23 12:01	
880-33190-2	B-2-S-6"-091223	Solid	09/12/23 13:10	09/13/23 12:01	
880-33190-3	B-3-S-1'-091223	Solid	09/12/23 13:20	09/13/23 12:01	
880-33190-4	B-4-S-6"-091223	Solid	09/12/23 13:30	09/13/23 12:01	
880-33190-5	B-5-S-6"-091223	Solid	09/12/23 13:40	09/13/23 12:01	
880-33478-1	SW-7-S-0-4'-092023	Solid	09/20/23 11:00	09/21/23 09:01	
880-33478-2	SW-8-S-0-4'-092023	Solid	09/20/23 11:10	09/21/23 09:01	
880-33478-3	SW-9-S-0-4'-092023	Solid	09/20/23 11:20	09/21/23 09:01	
890-5275-1	B-6-S-4 '-091423	Solid	09/14/23 13:00	09/15/23 09:21	
890-5275-2	B-7-S-4 '-091423	Solid	09/14/23 13:10	09/15/23 09:21	
890-5275-3	B-8-S-4 ' -091423	Solid	09/14/23 13:20	09/15/23 09:21	
890-5275-4	SW-1-4' -091423	Solid	09/14/23 14:00	09/15/23 09:21	
890-5275-5	SW-2-4' -091423	Solid	09/14/23 14:10	09/15/23 09:21	
890-5291-1	SW-3-5-0-4-091823	Solid	09/18/23 09:00	09/18/23 16:37	
890-5291-2	SW-4-5-0-4-091823	Solid	09/18/23 09:10	09/18/23 16:37	
890-5291-3	B-9-S-4-091823	Solid	09/18/23 09:30	09/18/23 16:37	
890-5291-4	B-10-S-4-091823	Solid	09/18/23 09:40	09/18/23 16:37	
890-5291-5	B-11-S-4-091823	Solid	09/18/23 09:50	09/18/23 16:37	
890-5291-6	B-12-S-4-091823	Solid	09/18/23 10:00	09/18/23 16:37	
890-5291-7	B-13-S-4-091823	Solid	09/18/23 10:10	09/18/23 16:37	
890-5291-8	SW-5-S-0-4-091823	Solid	09/18/23 15:00	09/18/23 16:37	
890-5291-9	SW-6-S-0-4-091823	Solid	09/18/23 15:10	09/18/23 16:37	
890-5322-1	B-14-S-4'-092123	Solid	09/21/23 11:00	09/21/23 14:58	4'
890-5322-2	B-15-S-4'-092123	Solid	09/21/23 11:10	09/21/23 14:58	4'
890-5322-3	B-16-S-4'-092123	Solid	09/21/23 11:20	09/21/23 14:58	4'
890-5322-4	B-17-S-4'-092123	Solid	09/21/23 11:30	09/21/23 14:58	4'
890-5322-5	B-18-S-4'-092123	Solid	09/21/23 11:40	09/21/23 14:58	4'
890-5322-6	B-19-S-4'-092123	Solid	09/21/23 11:50	09/21/23 14:58	4'

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



Environment Testing
 Xenco

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager: Justin Nixon
 Company Name: Arcadis
 Address: 1004 N Big Spring Suite 300
 City, State ZIP: Midland, TX 79701
 Phone: 432-296-9547
 Email: Justin.Nixon@Arcadis.com

Project Name: Graham Cracker 2 State 1H
 P Project Number: 88001886
 Project Location: Eddy County, NM
 Sampler's Name: Heath Boyd
 PO #: 30194250 - 02

Bill to: (if different)
 Company Name:
 Address:
 City, State ZIP:
 Email:

Turn Around
☐ Routine ☒ Rush 24hr

Due Date:
 TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes No
 Thermometer ID: TMM007
 Correction Factor: -0.2
 Temperature Reading: 11.0
 Corrected Temperature: 11.2

Temp Blank: Yes No
 Thermometer ID: TMM007
 Correction Factor: -0.2
 Temperature Reading: 11.0
 Corrected Temperature: 11.2

Pres. Code

Parameters

890-5322 Chain of Custody

Preservative Codes
 None: NO DI Water: H₂O
 Cool: Cool MeOH: Me
 HCL: HC HNO₃: HN
 H₂SO₄: H₂ NaOH: Na
 H₃PO₄: HP
 NaHSO₄: NABIS
 Na₂S₂O₃: NaSO₃
 Zn Acetate+NaOH: Zn
 NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
B-14-S-4'-092123	S	9/21/23	1100	4'	Comp	1
B-15-S-4'-092123			1110			1
B-16-S-4'-092123			1120			1
B-17-S-4'-092123			1130			1
B-18-S-4'-092123			1140			1
B-19-S-4'-092123			1150			1

Total 200.7 / 6010 2008 / 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 SiO₂ 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)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>JB</i>	<i>Justin Nixon</i>	9/21/23 14:58			
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: ARCADIS US Inc

Job Number: 890-5322-1

SDG Number: 88001886

Login Number: 5322

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: ARCADIS US Inc

Job Number: 890-5322-1

SDG Number: 88001886

Login Number: 5322**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 09/25/23 09:54 AM**

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").	True	

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

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

QUESTIONS

Action 349373

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 349373
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2220644089
Incident Name	NAPP2220644089 GRAHAM CRACKER 2 STATE COM 001H @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2203933738] Graham Cracker 2 State 1H - Battery

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	GRAHAM CRACKER 2 STATE COM 001H
Date Release Discovered	07/09/2022
Surface Owner	State

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 16 BBL Recovered: 0 BBL Lost: 16 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 349373

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/30/2024
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QUESTIONS, Page 3

Action 349373

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number: 349373
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	5390
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	172
GRO+DRO	(EPA SW-846 Method 8015M)	172
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/12/2023
On what date will (or did) the final sampling or liner inspection occur	09/12/2023
On what date will (or was) the remediation complete(d)	09/26/2023
What is the estimated surface area (in square feet) that will be reclaimed	5400
What is the estimated volume (in cubic yards) that will be reclaimed	676
What is the estimated surface area (in square feet) that will be remediated	5400
What is the estimated volume (in cubic yards) that will be remediated	676

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 349373

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
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QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/30/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 349373

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
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QUESTIONS**Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	N/A
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2000
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	222
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Graham Cracker 2 State 1H - Battery [fAPP2203933738]
Enter the well API (30-) on which this deferral should be granted	30-015-42282 GRAHAM CRACKER 2 STATE #001H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/30/2024

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Action 349373

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
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	Action Number:
	349373
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	315475
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2023
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	4600

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 349373

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 349373
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	ConocoPhillips deferral requests final remediation for (Incident Number NAPP2220644089) until final reclamation of the well pad or major construction, whichever comes first. Arcadis and ConocoPhillips do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are underneath the steel flowlines within the tank batttery area, which include sample areas (SW-1, SW-2, SW-6 and B-1 through B-5). At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	5/31/2024