



COG (ConocoPhillips)

2024 Soil Remediation Summary and Closure Request Report

Asio Otus Fed #003H (06.02.23)

Eddy County, New Mexico

Incident # NAPP2317029661

August 2024

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2024 Soil Remediation Summary and Closure Request Report

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Soil Remediation Summary and Closure Request Report (Report), on behalf of Concho Operating, LLC (COG – now ConocoPhillips), for the release site known as the Asio Otus Fed #003H (06.02.23) (Site) at coordinates 32.039111, -104.233835. 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 federal land approximately 25-miles southwest of the City of Malaga in Unit L, Section 18, Township 26 South, Range 27 East, Eddy County, New Mexico. The site is located within a high karst area. A Site Location Map is included as **Figure 1** and a Topographic Map as **Figure 2**.

2.1 Incident # NAPP2317029661

According to the Initial C-141 Form, on June 2, 2023 a flowline ruptured due to corrosion, resulting in the release of approximately 4.0613 barrels (bbls) of produced water to ground surface at the Site with 0 bbls recovered. The Initial C-141 Form was submitted to the NMOCD and assigned Incident ID number NAPP2317029661. The Initial C-141 Form is included as **Appendix A**.

3 Site Characterization

3.1 Initial Site Characterization

Soil assessment activities were performed at the Site on June 21 and November 15, 2023 by Carmona Resources to determine the horizontal and vertical extent of the release area.

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. A water well was located approximately 1.31 miles northwest of the site with a depth to water of 12.60 feet below ground surface (bgs). As such, assessment activities completed to date and proposed remediation/reclamation activities at the Site have been evaluated assuming a Site with a depth to groundwater as less than 50 feet bgs. The following site characteristics were determined in accordance with 19.15.29 New Mexico Administrative Code (NMAC):

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 500 and 1,000 feet
- Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark): > 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: Between > 5 miles

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- Any other fresh water well or spring: > 5 miles
- Incorporated municipal boundaries or a defined municipal fresh water well field: >5 miles
- A wetland: Between > 5 miles
- A subsurface mine: >5 miles
- A (non-karst) unstable area: Zero feet, overlying, or within area
- Categorize the risk of this well/site being in Karst Geology: High
- A 100-year floodplain: Between > 5 miles
- Did the release impact areas not on an exploration, development, production, or storage site? Yes

The site characterization data is presented in **Appendix B**.

3.2 Soil Assessment Activities

In June and November 2023, Carmona Resources performed site assessment activities to evaluate soil impacts stemming from the release. A total of fourteen (14) sample points were advanced to depths ranging from the surface to 8 feet bgs inside and surrounding the release area to evaluate the vertical and horizontal extents of the release.

Horizontal and vertical delineation was assessed in each cardinal direction to determine the potential area of concern. Arcadis used this data and field screening to guide proposed remediation activities prior to collecting any confirmation laboratory analytical samples. The initial proposed remediation/reclamation activities and site characterization for the impacted areas are detailed in the 2023 Work Plan submitted previously by Carmona Resources to the NMOCD (see **Appendix C**).

4 Closure Criteria for Soils Impacted by a Release

The NMOCD classifies the Site to use the most stringent regulatory limits due to depth to groundwater being assumed less than 50 feet bgs and no documented water wells within ½ mile of the site. Per Table I of NMAC part 19.15.29.12, the following closure criteria apply to the Site for both reclamation and remediation activities:

Constituent	Limit (mg/kg)
Chloride	600 mg/kg
Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Oil Range Organics (ORO)	100 mg/kg
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)	50 mg/kg
Benzene	10 mg/kg

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5 Remediation Activities Summary

5.1 Soil Removal

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

Soil remediation activities were performed by Arcadis and Standard Safety from July 19 through August 6, 2024. 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 16,400 square foot (sq ft) area of 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 8.5 feet bgs in the pasture area. Approximately 3,160 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 3,160 cubic yards of soil directly to the landfill on July 22 through August 5, 2024. 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 July 19 through August 6, 2024 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 400 square foot sample spacing or less as an approved sampling variance by the NMOCD for both sidewalls and base of the excavated area. Once backfill was delivered from the R360 Red Bluff Landfill facility, a 5-point composite sample was collected from the backfill material to confirm all constituents were below the NMOCD reclamation limits for chloride, TPH, and BTEX. Sidewall confirmation sample locations are depicted in **Figure 3** and excavation base 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 D**.

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5.3 Chloride

All soil samples collected within the excavation were below the NMOCD reclamation and remediation limit of 600 mg/kg.

5.4 TPH

TPH concentrations were reported below the NMOCD reclamation and remediation limit of 100 mg/kg at all sample locations for GRO, DRO, and ORO in all soil samples collected.

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 Activities

The Reclamation Plan outlined in the NMOCD approved work plan was completed.

Upon receiving laboratory analytical results from the excavation confirmation soil samples confirming impacted soil over the applicable restoration limits had been removed from the surrounding pasture areas, the excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near the original relative positions. On August 6, 2024, the affected area was contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable with a tractor and hopper attachment to broadcast the seed. 16,400 sq ft of the excavated areas were topped with a topsoil similar to the native surrounding pasture material and reseeded with a BLM #2 seed mixture. After reseeding the entire reclamation area was wet down to set the seed and promote vegetative growth.

7 Summary

Analytical results associated with recent remediation activities conducted in 2024 indicate that the horizontal and vertical extent of chloride, TPH, and BTEX impact in soil above NMAC screening standards for a site with depth to groundwater less than 50 feet bgs have been delineated both horizontally and vertically and excavated from the impacted area. All areas were backfilled with the clean material and graded to match the original surface conditions and drainage. Approximately 16,400 square feet of the area of concern located within the pasture area was reclaimed to original condition and re-seeded.

8 Soil Closure Request

Remediation activities were conducted in accordance with the NMOCD standards outlined in Table I of NMAC part 19.15.29.12 utilizing 400 square foot composite areas as approved in the NMOCD approved sampling

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

Based on laboratory analytical results and field activities conducted to date, no additional soil assessment, remediation, or reclamation activities are recommended at this time for TPH, BTEX, or chloride impacts in soil at the Site.

Arcadis requests closure be granted to the Asio Otus Fed #003H (06.02.23) site for Incident ID number NAPP2317029661.

Tables

Table 1
2024 Soil Sample Analytical Results
Asio Otus Fed #003H (06.02.23)
Eddy County, New Mexico
COG (ConocoPhillips)



Sample ID	Date	Depth (ft)	Soil Status	BTEX Methods					TPH Methods				CI Method
				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (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	7/22/2024	4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	88.3
B-2	7/22/2024	4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	313
B-3	7/23/2024	0-5	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	525
B-4	7/23/2024	0-5	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	192
B-5	7/22/2024	8	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	395
B-6	7/23/2024	0-5	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	222
B-7	7/29/2024	3	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	254
B-8	7/24/2024	8	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	249
B-9	7/24/2024	3	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	254
B-10	7/29/2024	4	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	203 F1
B-11	7/24/2024	3	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	415
B-12	7/29/2024	4	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	296
B-13	7/24/2024	3	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	414
B-14	7/29/2024	4	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	48.5
B-15	7/24/2024	3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	236
B-16	7/24/2024	3	In-Situ	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	137
B-17	7/24/2024	3	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	222
B-18	7/25/2024	3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	73.9
B-19	7/24/2024	3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	48.3 F1
B-20	7/29/2024	5	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	417
B-21	7/29/2024	4	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	275
B-22	7/29/2024	4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	388
B-23	7/29/2024	4	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	273
B-24	7/29/2024	4	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	217
B-25	7/29/2024	4	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.4	<15.0	<15.0	<15.0	217
B-26	7/29/2024	4	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	250 F1
B-27	7/25/2024	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	215
B-28	7/25/2024	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	215
B-29	7/29/2024	4	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	465
B-30	7/25/2024	2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	320
B-31	7/25/2024	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	68.1
B-32	7/25/2024	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	337
B-33	7/25/2024	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	224
B-34	7/29/2024	3	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	386
B-35	7/29/2024	3	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.4	<15.0	<15.0	<15.0	242
B-36	7/29/2024	3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	227
B-37	7/29/2024	3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	226
B-38	7/30/2024	3	In-Situ	<0.00140	<0.00201	<0.00109	0.00368 J	0.00368 J	<14.5	<15.1	<15.1	<15.1	137
B-39	7/30/2024	3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	208
B-40	7/30/2024	3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	240
B-41	7/30/2024	3	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	171
BACKFILL	7/30/2024	--	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	213
SW-1	7/22/2024	0-4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	326 F1
SW-2	7/22/2024	0-4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	318
SW-3	7/23/2024	0-5	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.4	<15.0	<15.0	<15.0	444
SW-4	7/23/2024	0-5	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	260
SW-5	7/22/2024	0-8	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	20.2 J	<15.0	20.2 J	359
SW-6	7/29/2024	0-8.5	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	477
SW7	7/24/2024	0-3	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	208

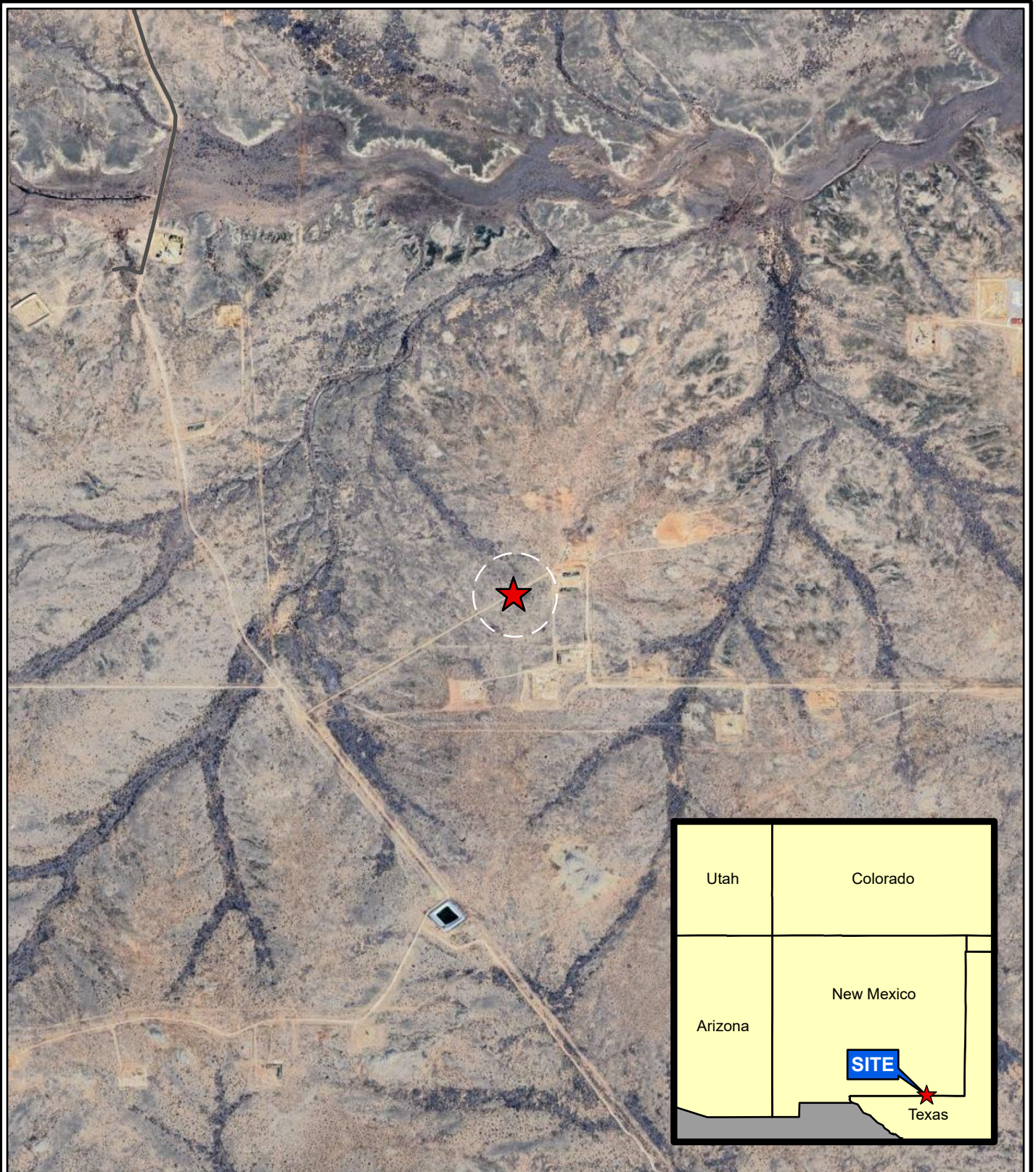
Table 1
2024 Soil Sample Analytical Results
Asio Otus Fed #003H (06.02.23)
Eddy County, New Mexico
COG (ConocoPhillips)



Sample ID	Date	Depth (ft)	Soil Status	BTEX Methods					TPH Methods				CI Method
				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (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)
SW-8	7/29/2024	0-4	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	216
SW-9	7/25/2024	0-8.5	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	442
SW-10	7/29/2024	0-4	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	181
SW-11	7/25/2024	0-2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	215
SW-12	7/29/2024	0-4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	64.9
SW-13	7/29/2024	0-3	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	191
SW-14	7/29/2024	0-3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	181
SW15	7/30/2024	0-3	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	72.6
SW16	7/30/2024	0-3	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	148
SW17	7/30/2024	0-3	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	224
SW18	7/30/2024	0-3	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.4	<15.0	<15.0	<15.0	62.3
NMOCD Reclamation Standard				10	--	--	--	50	--	--	--	100	600
NMOCD Closure Criteria				10	--	--	--	50	--	--	--	100	600
Legend:													
BOLD: Analytes exceeding NMAC standards													
J: Result is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value.													
F1: Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits.													
<' indicates the analyte was not detected at or above the MDL.													
mg/kg: Milligram per Kilogram													
BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes													
NMAC : New Mexico Administration Code													
TPH: Total Petroleum Hydrocarbons													
TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics													
TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics													
TPH ORO: Total Petroleum Hydrocarbons Oil Range Organics													
B: Base sample													
SW : Sidewall sample													
ft : Feet													
--: No individual standard													
Notes:													
1. Chloride analyzed by EPA Method 300.0													
2. TPH analyzed by EPA Method SW846 8015B NM													
3. BTEX analyzed by Method SW846 8021B													
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)													
NMOCD: New Mexico Oil Conservation Division													

Figures

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: avi00976 ; Client (Project #)
T:\ENV\Upstream\Asio Otus Fed 003H\ Pro\Asio Otus Fed #003H_06_02_23.aprx 8/14/2024 10:41 AM



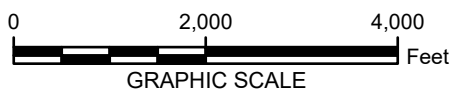
Legend

★ Site Location

Datum: D_WGS_1984

Source: ESRI Online, Google Earth

Site Location: 32.039209°, -104.233619°



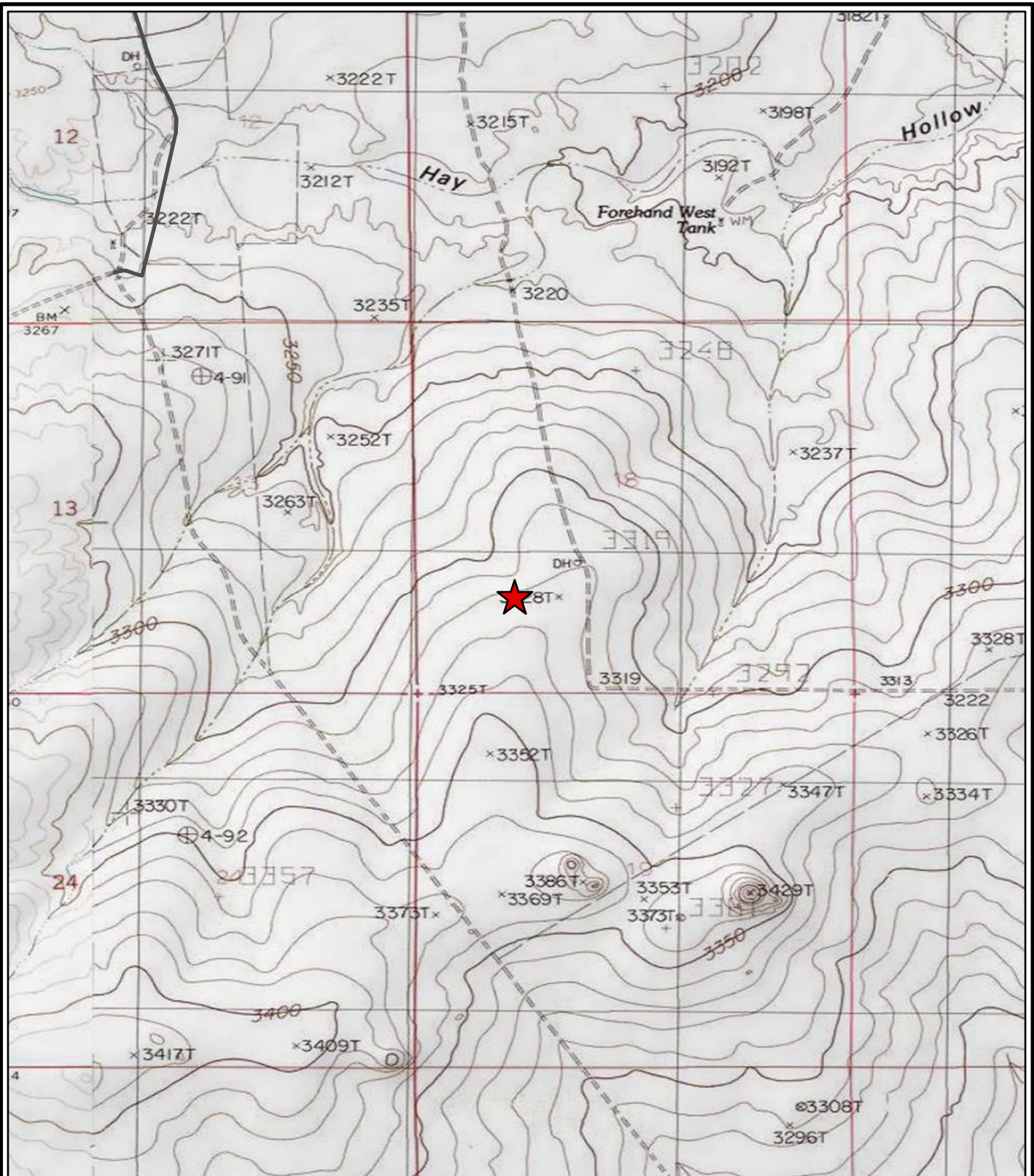
COG (CONOCOPHILLIPS)
ASIO OTUS FED #003H (06.02.23)
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP



FIGURE
1

City: Houston Div/Group: Remediation West - Air Group Created By: W Berry Last Saved By: avi00976 ; Client (Project #)
 T:\ENV\Upstream\Asio Otus Fed #003H ProAsio Otus Fed #003H 06 02 23.aprx 8/14/2024 10:41 AM



Legend



Site Location

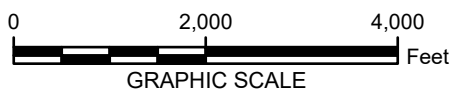
Datum: D_WGS_1984

Credits: ESRI Online, USGS 24,000 K

Topo (Map Service)

Red Lake, New Mexico Quadrangle

Site Location: 32.039209°, -104.233619°



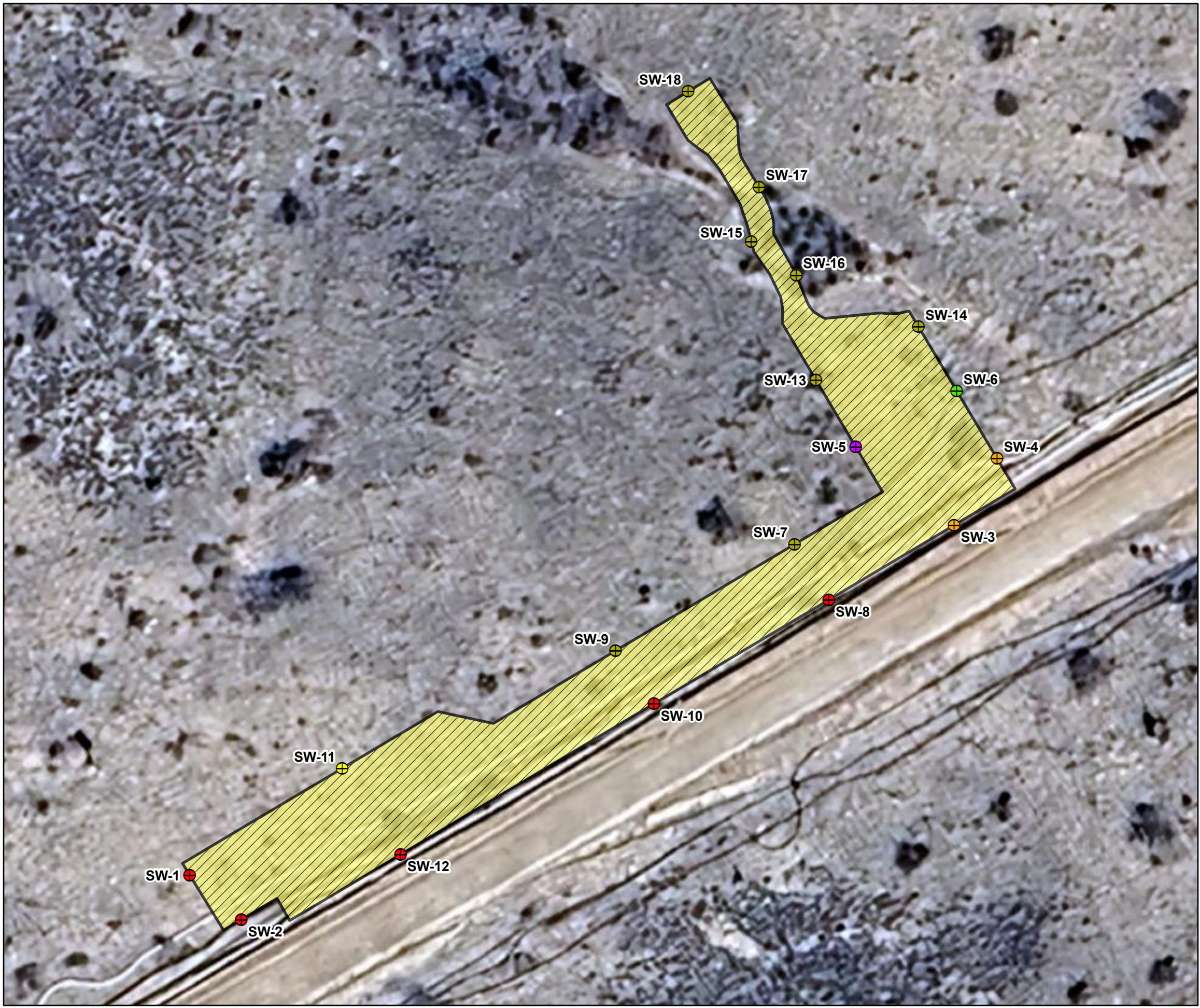
COG (CONOCOPHILLIPS)
 ASIO OTUS FED #003H (06.02.23)
 EDDY COUNTY, NEW MEXICO

TOPOGRAPHIC MAP



FIGURE
 2

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: avi00976 Client (Project #)
T:_ENV\Upstream\Asio Otus Fed #003H_Pro\Asio Otus Fed #003H_06_02_23.aprx 8/14/2024 10:41 AM



LEGEND:

Sidewall Soil Sample Location

- 0-2' Sample Depth
- 0-3' Sample Depth
- 0-4' Sample Depth
- 0-5' Sample Depth
- 0-8' Sample Depth
- 0-8.5' Sample Depth
- Excavated Area

0 40 80 Feet

GRAPHIC SCALE

Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.039209°, -104.233619°

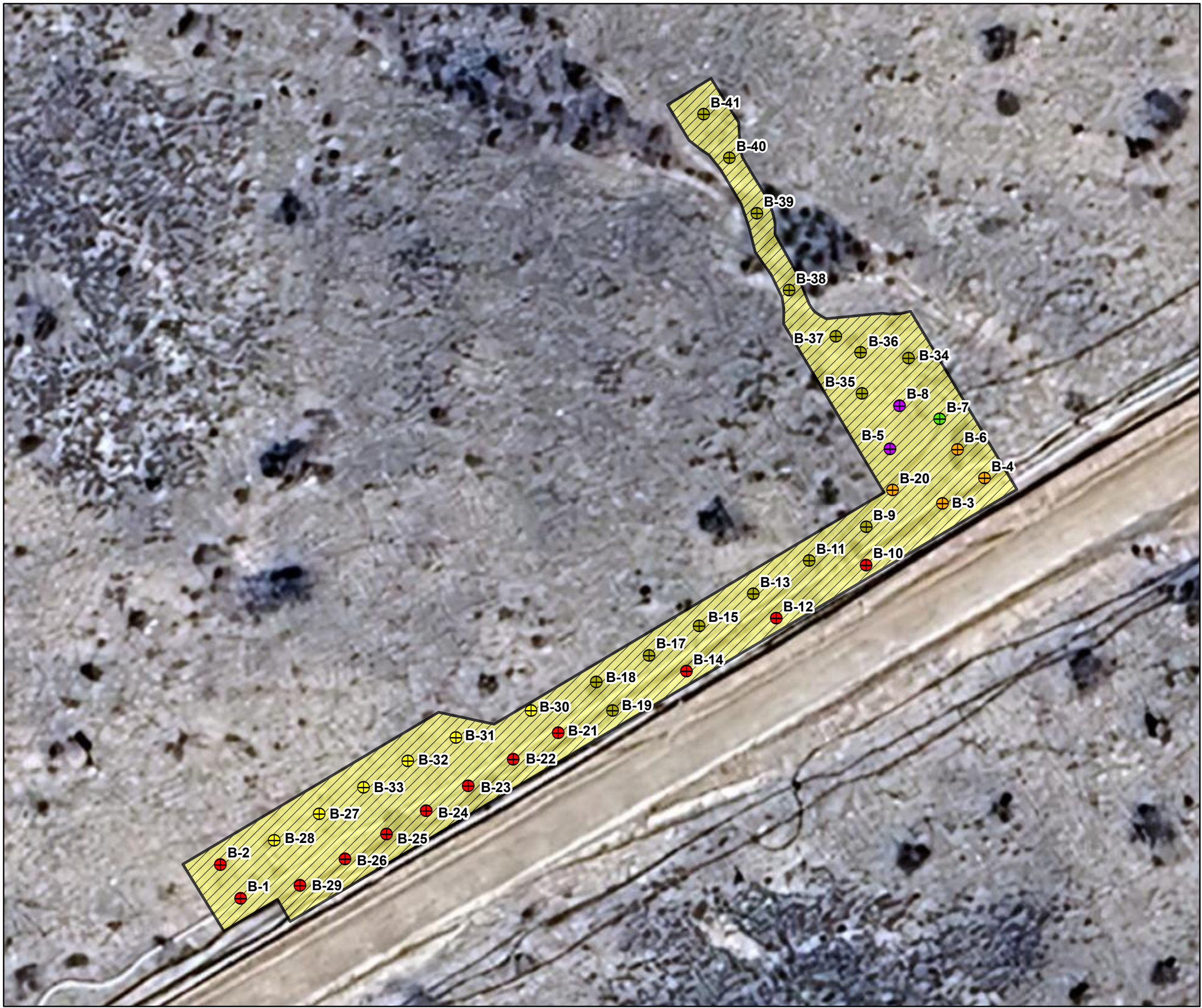
COG (CONOCOPHILLIPS)
ASIO OTUS FED #003H (06.02.23)
EDDY COUNTY, NEW MEXICO

**EXCAVATION SIDEWALL
SOIL SAMPLE LOCATIONS**



FIGURE
3

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: avi00976 ; Client (Project #)
T:_ENV\Upstream\Asio Otus Fed #003H_Pro\Asio Otus Fed #003H_06_02_23.aprx 8/14/2024 10:41 AM

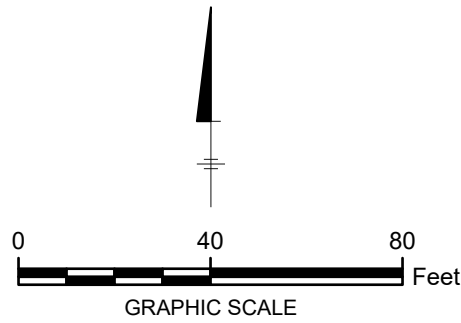


LEGEND:

Base Soil Sample Location

- ⊕ - 2' Sample Depth
- ⊕ - 3' Sample Depth
- ⊕ - 4' Sample Depth
- ⊕ - 5' Sample Depth
- ⊕ - 8' Sample Depth
- ⊕ - 8.5' Sample Depth

▨ Excavated Area



Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.039209°, -104.233619°

COG (CONOCOPHILLIPS)
ASIO OTUS FED #003H (06.02.23)
EDDY COUNTY, NEW MEXICO

**EXCAVATION BASE
SOIL SAMPLE LOCATIONS**

 **ARCADIS**

FIGURE
4

Photographic Logs

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Asio Otus Fed #003H (06.02.23)		Location: Eddy County, NM	Case No. NAPP2317029661
Photo No. 1	Date: 07/30/2024		
Direction Photo Taken: SW			
Description: Center Excavation			

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Asio Otus Fed #003H (06.02.23)		Location: Eddy County, NM	Case No. NAPP2317029661
Photo No. 2	Date: 07/30/2024		
Direction Photo Taken: E			
Description: East to west excavation area			



PHOTOGRAPHIC LOG

Property Name: Asio Otus Fed #003H (06.02.23)		Location: Eddy County, NM	Case No. NAPP2317029661
Photo No. 3	Date: 07/30/2024		
Direction Photo Taken: N			
Description: Northern excavation area			



PHOTOGRAPHIC LOG

Property Name: Asio Otus Fed #003H (06.02.23)		Location: Eddy County, NM	Case No. NAPP2317029661
Photo No. 4	Date: 08/05/2024		
Direction Photo Taken: NW			
Description: Full excavation area			



PHOTOGRAPHIC LOG

Property Name:

Asio Otus Fed #003H (06.02.23)

Location:

Eddy County, NM

Case No.

NAPP2317029661

Photo
No.
5Date:
08/05/2024Direction Photo
Taken:

N

Description:

Live seed in soil with
water packing

PHOTOGRAPHIC LOG

Property Name:

Asio Otus Fed #003H (06.02.23)

Location:

Eddy County, NM

Case No.

NAPP2317029661

Photo No.
6Date:
08/05/2024

Direction Photo Taken:

SW

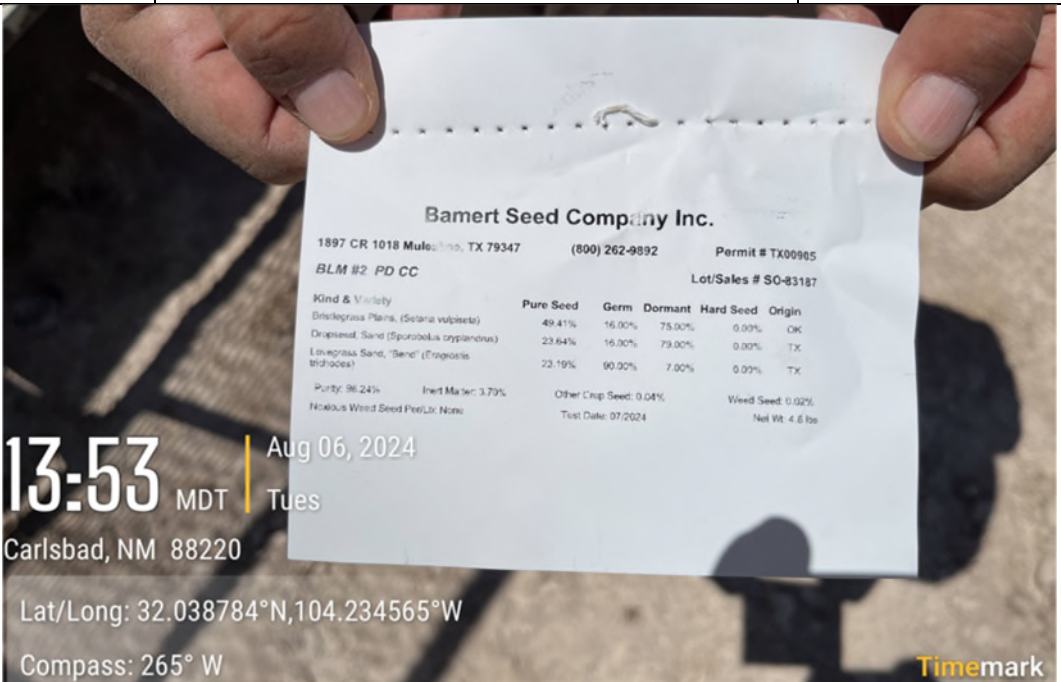
Description:

Till reclamation area with
tractor

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Asio Otus Fed #003H (06.02.23)		Location: Eddy County, NM	
Case No. NAPP2317029661			
Photo No. 7	Date: 08/05/2024		
Direction Photo Taken: NW			
Description: Backfilled remediation area			

14:23 MDT | Aug 06, 2024
 Carlsbad, NM 88220
 Lat/Long: 32.039111°N, 104.233835°W
 Compass: 257° W

TimeMark

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Asio Otus Fed #003H (06.02.23)		Location: Eddy County, NM	
Case No. NAPP2317029661			
Photo No. 8	Date: 08/05/2024		
Direction Photo Taken: N			
Description: BLM seed mixture			

13:53 MDT | Aug 06, 2024
 Carlsbad, NM 88220
 Lat/Long: 32.038784°N, 104.234565°W
 Compass: 265° W

TimeMark

Appendix A

Initial C-141 Form Incident #NAPP2317029661

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	NAPP2317029661
District RP	
Facility ID	fAPP2202647776
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 496-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2317029661
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.0389 Longitude -104.2339
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Asio Otus Federal 003H	Site Type	Flowline
Date Release Discovered	June 2, 2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
L	18	26S	27E	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) 4.0613	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 flowline rupture due to corrosion.
The release was off the pad.
Evaluation will be made of 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	NAPP2317029661
District RP	
Facility ID	fAPP2202647776
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	Title: Environmental Technician
Signature: 	Date: 6/19/2023
email: Brittany.Esparza@ConocoPhillips.com	Telephone: (432) 221-0398
<u>OCD Only</u>	
Received by: _____	Date: _____

Appendix B

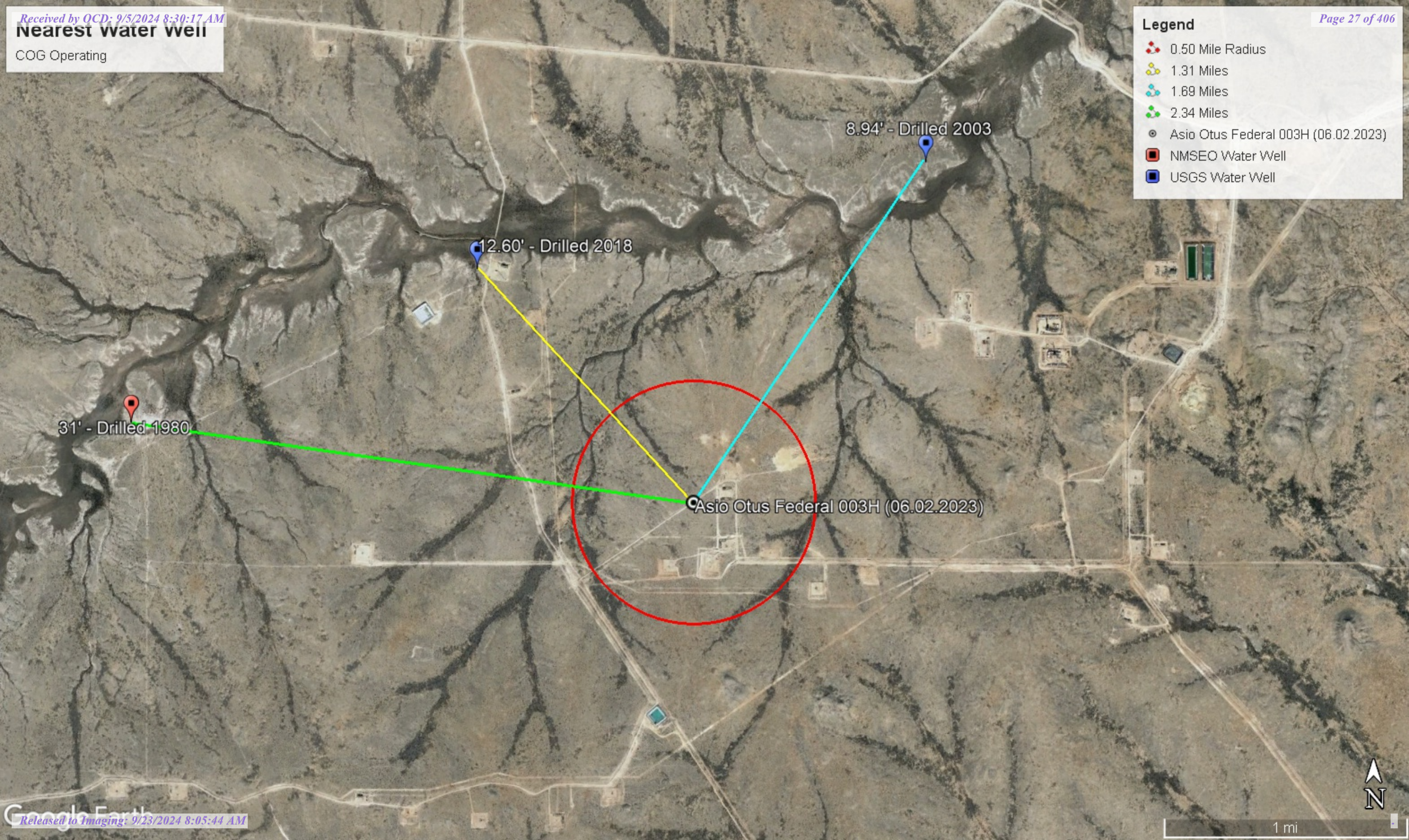
Site Characterization Data

Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.31 Miles
- 1.69 Miles
- 2.34 Miles
- Asio Otus Federal 003H (06.02.2023)
- NMSEO Water Well
- USGS Water Well



High Karst

COG Operating

Legend

- Asio Otus Federal 003H (06.02.2023)
- High
- Medium

Asio Otus Federal 003H (06.02.2023)



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04269 POD1	CUB	ED		4	2	3	18	26S	27E	572620	3545176	335	105		
C 02218	CUB	ED		4	1	4	07	26S	27E	573039	3546725*	1860	35		
C 02438	CUB	ED		4	2	3	12	26S	26E	571015	3546705*	2151	30		
C 01887	C	ED		4	4	2	15	26S	26E	568614	3545497*	3750	53	31	22
C 02439	CUB	ED		2	4	2	15	26S	26E	568614	3545697*	3782	30		
C 02219	CUB	ED		4	4	4	05	26S	27E	575033	3547948*	3995	35		

Average Depth to Water: **31 feet**

Minimum Depth: **31 feet**

Maximum Depth: **31 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 572332

Northing (Y): 3545004

Radius: 4000

*UTM location was derived from PLSS - see Help

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

6/19/23 8:57 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320320104145101

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

USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico
Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83
Land-surface elevation 3,230.90 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-25		D	62610		3217.55	NGVD29	1		Z	
1978-01-25		D	62611		3219.22	NAVD88	1		Z	
1978-01-25		D	72019	13.35			1		Z	
1992-11-18		D	62610		3218.87	NGVD29	1		S	
1992-11-18		D	62611		3220.54	NAVD88	1		S	
1992-11-18		D	72019	12.03			1		S	
1998-01-13		D	62610		3215.24	NGVD29	1		S	
1998-01-13		D	62611		3216.91	NAVD88	1		S	
1998-01-13		D	72019	15.66			1		S	
2003-01-28		D	62610		3214.44	NGVD29	1		S	USGS
2003-01-28		D	62611		3216.11	NAVD88	1		S	USGS
2003-01-28		D	72019	16.46			1		S	USGS
2013-01-09	22:10 UTC	m	62610		3213.80	NGVD29	1		S	USGS
2013-01-09	22:10 UTC	m	62611		3215.47	NAVD88	1		S	USGS
2013-01-09	22:10 UTC	m	72019	17.10			1		S	USGS

Date	Time		? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
2018-02-15	22:14 UTC	m	62610	3218.30	NGVD29	1	S	USGS
2018-02-15	22:14 UTC	m	62611	3219.97	NAVD88	1	S	USGS
2018-02-15	22:14 UTC	m	72019	12.60		1	S	USGS

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-06-19 11:03:44 EDT
0.3 0.25 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320343104110201

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

USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico
Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83
Land-surface elevation 3,182.10 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-03			D 62610		3164.52	NGVD29	1		Z	
1978-01-03			D 62611		3166.18	NAVD88	1		Z	
1978-01-03			D 72019	17.58			1		Z	
1983-01-05			D 62610		3166.54	NGVD29	1		Z	
1983-01-05			D 62611		3168.20	NAVD88	1		Z	
1983-01-05			D 72019	15.56			1		Z	
1987-10-08			D 62610		3167.72	NGVD29	1		Z	
1987-10-08			D 62611		3169.38	NAVD88	1		Z	
1987-10-08			D 72019	14.38			1		Z	
1992-11-04			D 62610		3165.85	NGVD29	1		S	
1992-11-04			D 62611		3167.51	NAVD88	1		S	
1992-11-04			D 72019	16.25			1		S	
1998-01-13			D 62610		3165.45	NGVD29	1		S	
1998-01-13			D 62611		3167.11	NAVD88	1		S	
1998-01-13			D 72019	16.65			1		S	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
2003-01-28	D	62610	3164.88	NGVD29	1	S	USGS
2003-01-28	D	62611	3166.54	NAVD88	1	S	USGS
2003-01-28	D	72019	17.22		1	S	USGS
2013-01-09 21:45 UTC	m	62610	3173.16	NGVD29	1	S	USGS
2013-01-09 21:45 UTC	m	62611	3174.82	NAVD88	1	S	USGS
2013-01-09 21:45 UTC	m	72019	8.94		1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2023-06-19 11:02:21 EDT

0.31 0.26 nadww02



New Mexico Office of the State Engineer

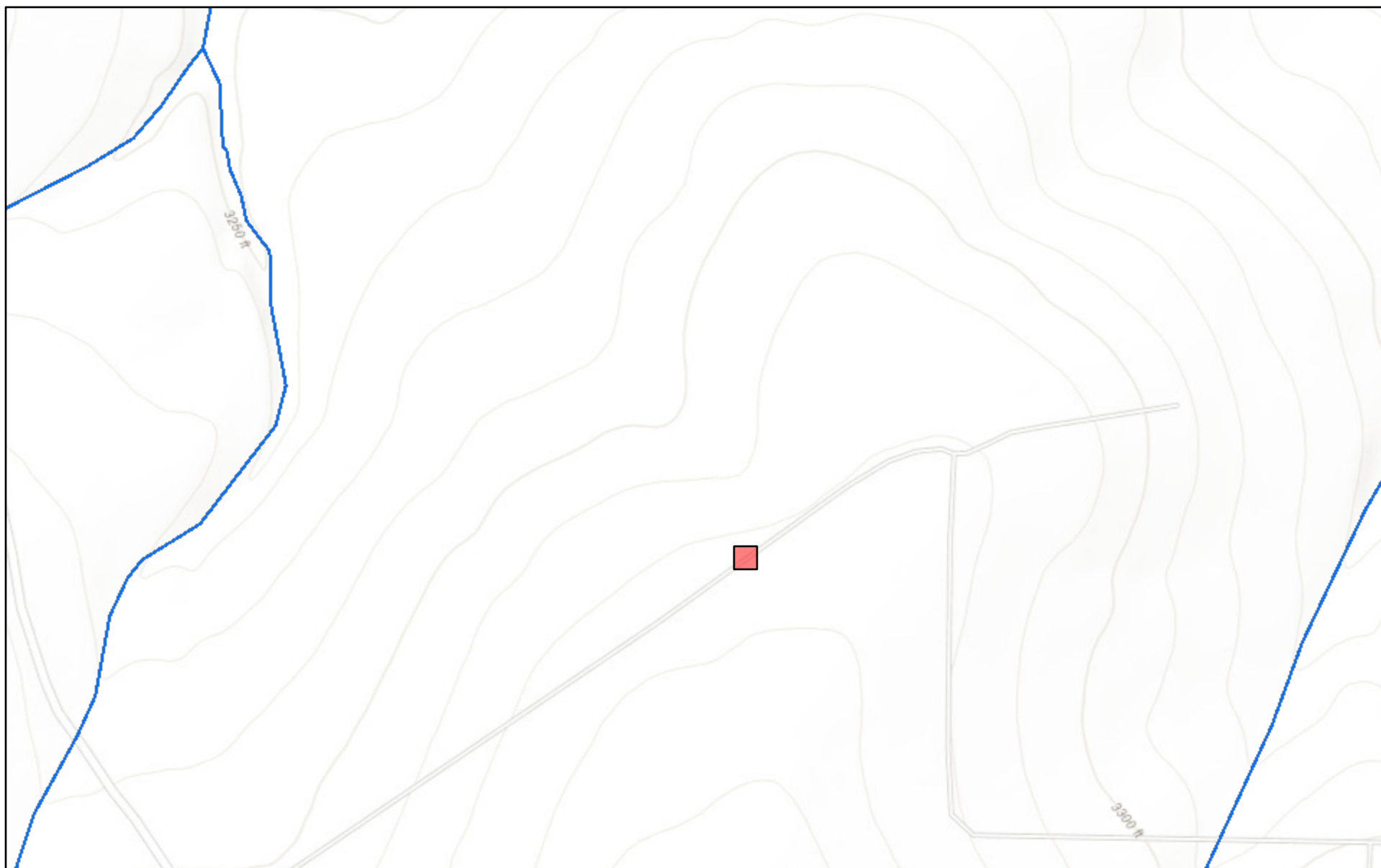
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y			
C	01887	4	4	2	15	26S	26E	568614	3545497*			
x												
Driller License:		817		Driller Company:			WEST, BILLY GEORGE					
Driller Name:		GEORGE WEST										
Drill Start Date:		03/26/1980		Drill Finish Date:			04/27/1980		Plug Date:			
Log File Date:		05/09/1980		PCW Rcv Date:						Source:		
Pump Type:					Pipe Discharge Size:						Estimated Yield:	
Casing Size:		6.00		Depth Well:			53 feet		Depth Water:		12 GPM	
											31 feet	
x												
Water Bearing Stratifications:				Top	Bottom	Description						
				42	45	Sandstone/Gravel/Conglomerate						
x												
Casing Perforations:				Top	Bottom							
				40	53							
x												

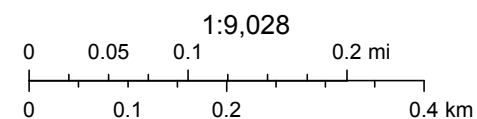
*UTM location was derived from PLSS - see Help

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

New Mexico NFHL Data



June 19, 2023



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

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Appendix C

Work Plan



SITE INFORMATION

Work Plan
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico
Unit L Sec 18 T26S R27E
32.0389°, -104.2339°

Produced Water Release
Point of Release: Flowline Rupture Due to Corrosion
Release Date: 06.02.23
Volume Released: 4.0613 of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



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

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



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2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 PROPOSED WORK PLAN

6.0 RECLAMATION PLAN

7.0 CONCLUSIONS

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APPENDIX B PHOTOS
APPENDIX C INITIAL C-141 AND REMEDIATION PLAN
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APPENDIX E LABORATORY REPORTS
APPENDIX F RECLAMATION CRITERIA

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



December 7, 2023

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

Re: Work Plan
Asio Otus Federal 003H (06.02.23)
Concho Operating, LLC
Site Location: Unit L, Sec 18, T26S, R27E
(Lat 32.0389°, Long -104.2339°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Asio Otus Federal 003H (06.02.23). The site is located at 32.0389°, -104.2339° within Unit L, S18, T26S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 2, 2023, caused by a flowline rupture due to corrosion. The incident released four point zero six one three (4.0613) barrels of produced water, with zero (0) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.31 miles Northwest of the site in S12, T26S, R26E and was drilled in 2018. The well has a reported depth to groundwater of 12.60 feet below the ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix C.

3.0 NMAC Regulatory Criteria

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

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

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Midland, Texas 79701
432.813.1992



4.0 Site Assessment Activities

Initial Assessment

On June 21, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of ten (10) sample points (S-1 through S-10) and nine (9) horizontal samples (H-1 through H-9) were advanced to depths ranging from the surface to 2' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

All sample points could not be vertically delineated due to a dense geological formation ranging from 1.5' to 2.0' bgs. Refer to Table 1.

Horizontal Delineation

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

Trenching Activities

On November 15, 2023, Carmona Resources, LLC returned to the site to delineate the release vertically. A total of Ten (10) trenches (T-1 through T-10) were advanced to depths ranging from the surface to 8' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain of custody documents, are attached in Appendix E.

Vertical Delineation

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

5.0 Proposed Work Plan

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

- The areas of S-2/T-2, S-3/T-3, S-8/T-8, and S-9/T-9 will be excavated to a depth of 2.0' below ground surface and backfilled with clean material to surface grade.
- The areas of S-4/T-4, S-5/T-5, S-6/T-6, and S-10/T-10 will be excavated to a depth of 3.0' below ground surface and backfilled with clean material to surface grade.
- The area of S-1/T-1 will be excavated to a depth of 4.0' below the ground surface and backfilled with clean material to surface grade.



- The area of S-7/T-7 will be excavated to a depth of 8.0' below the ground surface and backfilled with clean material to surface grade.
- An estimated 1,472 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 500 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.
- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, COG will excavate the impacted soil to the maximum extent possible.

6.0 Reclamation Plan

Once the remediation activities are completed, the excavated areas will be backfilled with clean material to surface grade. The appropriate pounds of pure live seed per acre will be used. The seed mixture that will be used is BLM Seed mixture #1, (See attachments in Appendix F).

7.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Devin Dominguez
Sr. Project Manager

FIGURES

CARMONA RESOURCES

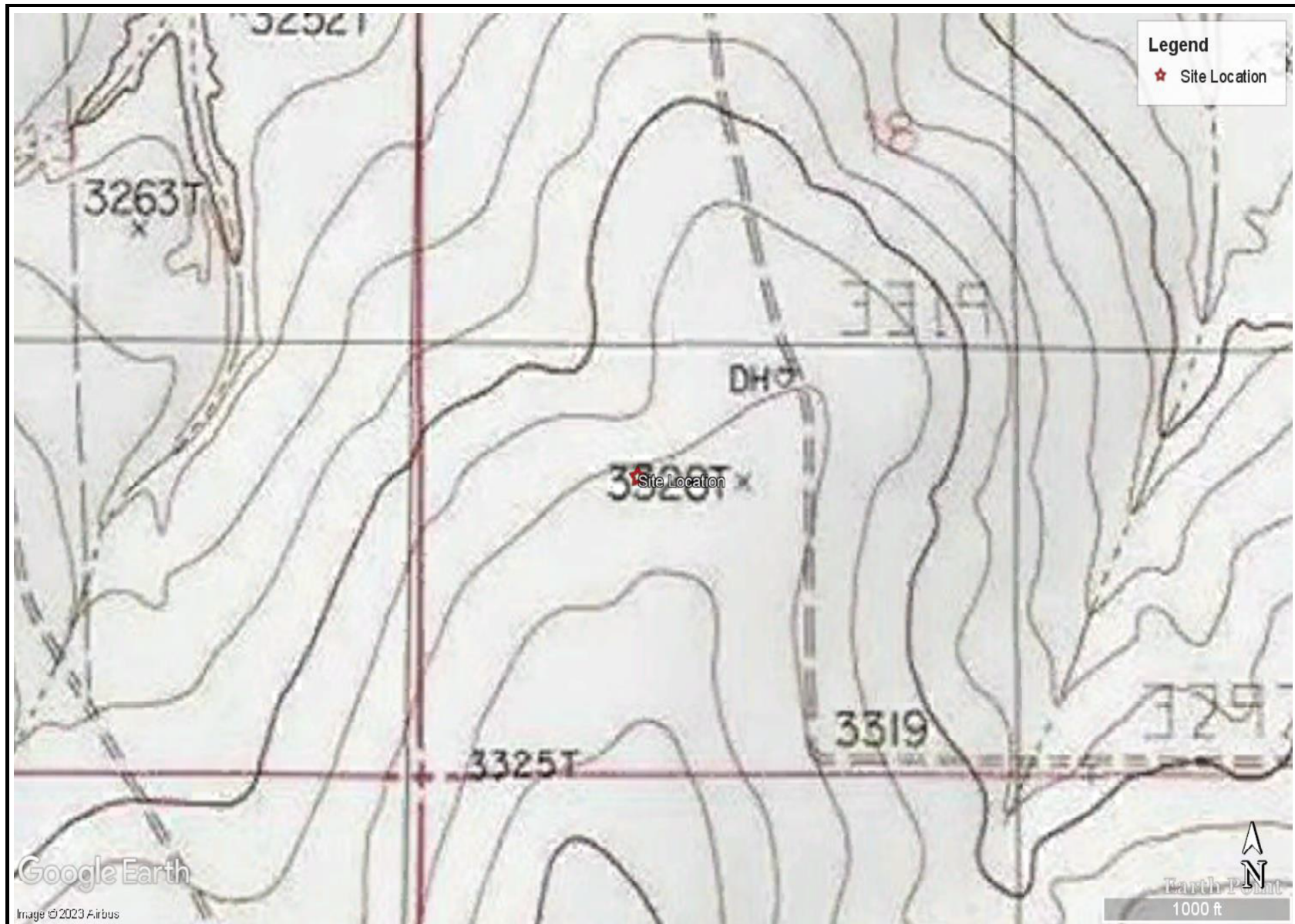




SITE LOCATION MAP
COG OPERATING, LLC
ASIO OTUS FEDERAL 003H (06.02.23)
EDDY COUNTY, NEW MEXICO
32.0389°, -104.2339°



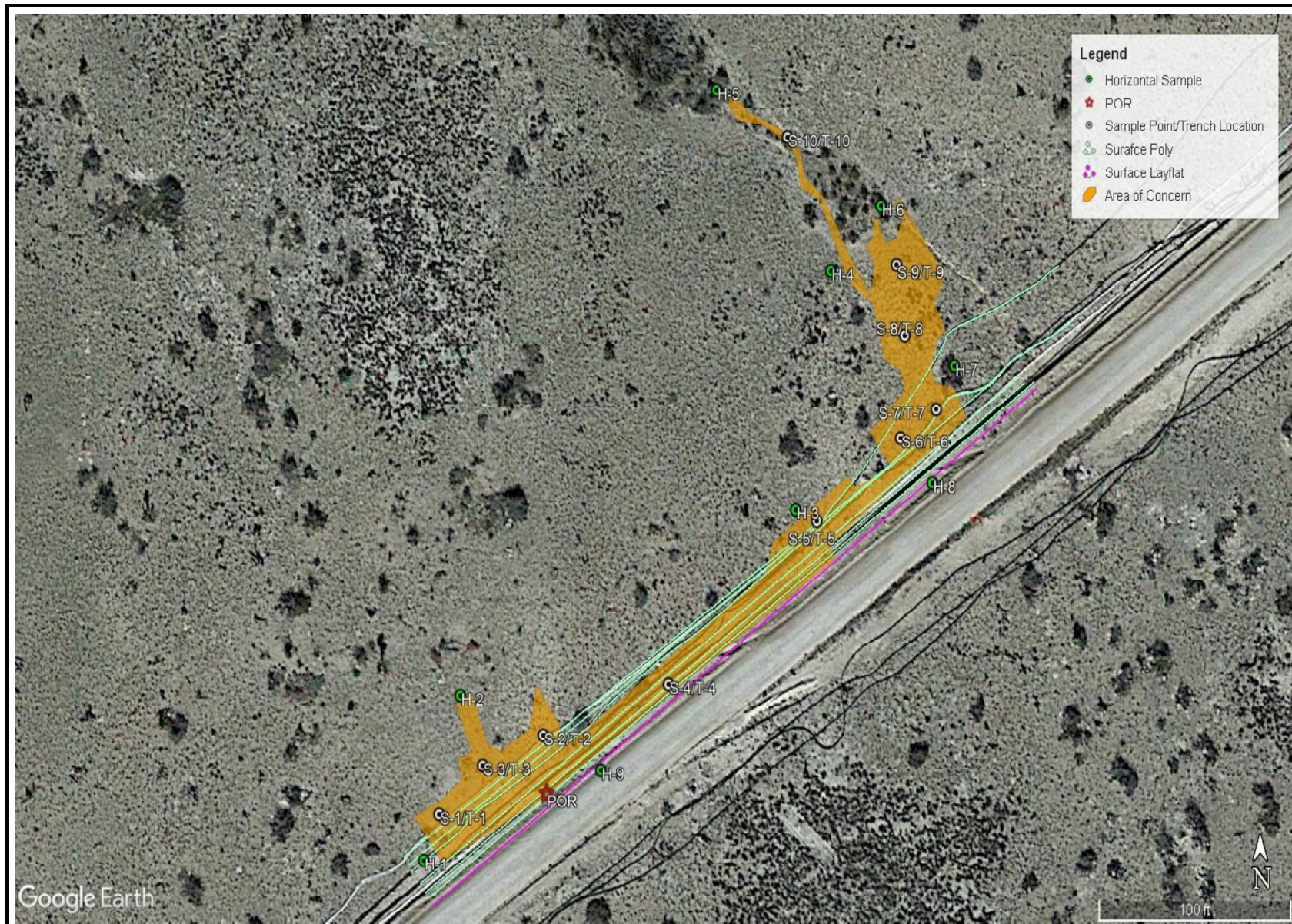
FIGURE 1



TOPOGRAPHIC MAP
COG OPERATING, LLC
ASIO OTUS FEDERAL 003H (06.02.23)
EDDY COUNTY, NEW MEXICO
32.0389°, -104.2339°



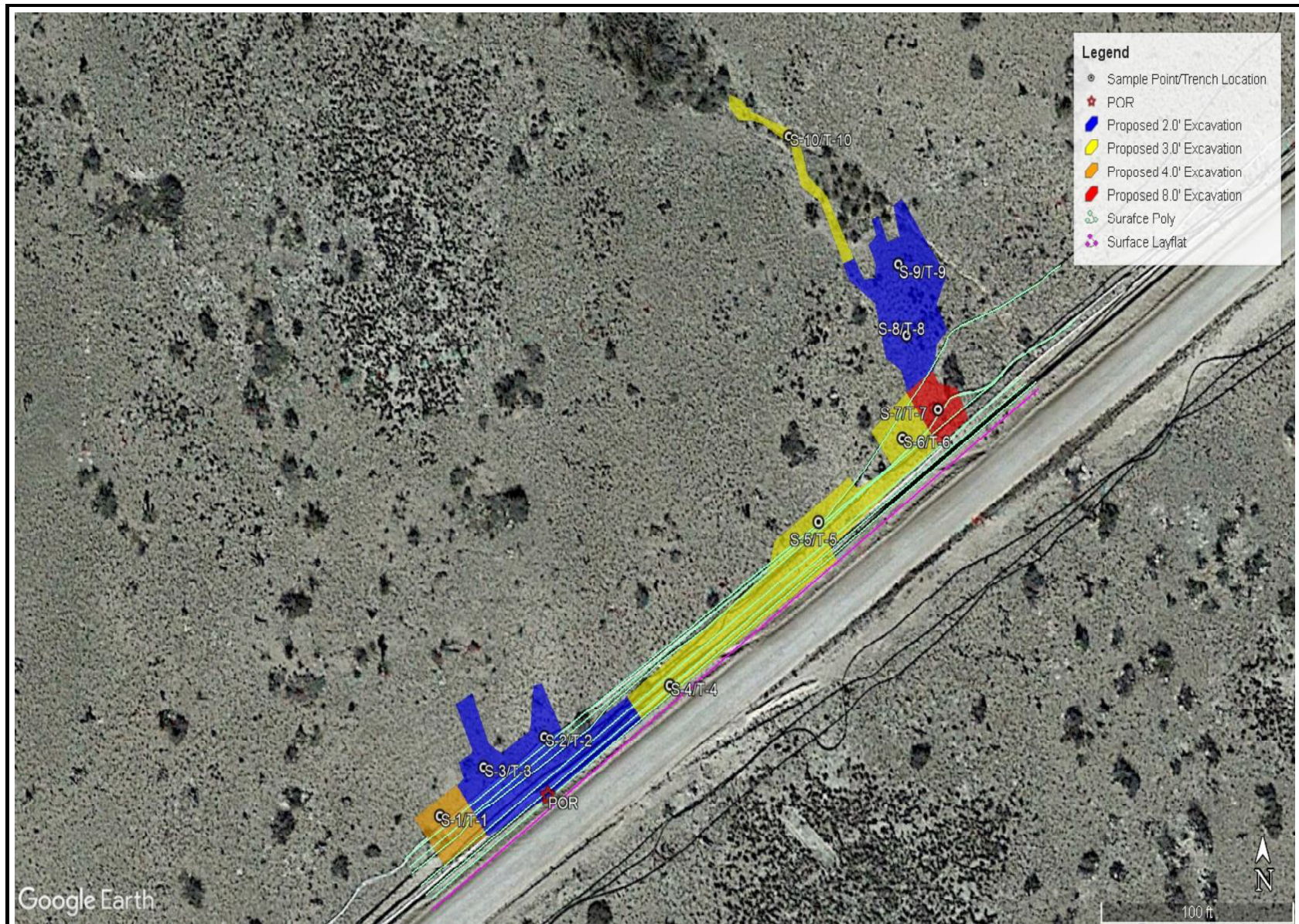
FIGURE 2



SAMPLE LOCATION MAP
 COG OPERATING, LLC
 ASIO OTUS FEDERAL 003H (06.02.23)
 EDDY COUNTY, NEW MEXICO
 32.0389°, -104.2339°



FIGURE 3



EXCAVATION MAP
 COG OPERATING, LLC
 ASIO OTUS FEDERAL 003H (06.02.23)
 EDDY COUNTY, NEW MEXICO
 32.0389°, -104.2339°



FIGURE 4



RECLAMATION MAP
COG OPERATING, LLC
ASIO OTUS FEDERAL 003H (06.02.23)
EDDY COUNTY, NEW MEXICO
32.0389°, -104.2339°



FIGURE 5

APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24,700
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	16,000
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,460
T-1	11/15/2023	0-1	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,040
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,310
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	790
	"	3	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	685
	"	4	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.8
S-2	6/21/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24,000
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14,600
T-2	11/15/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,010
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	687
	"	2	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	467
	"	3	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	247
	"	4	<49.7	54.0	<49.7	54.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	15.2
S-3	6/21/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	19,300
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,650
T-3	11/15/2023	0-1	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,900
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	495
	"	2	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	374
	"	3	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	295
	"	4	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.5
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

(T) - Trench Sample

 Proposed Excavation

Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-4	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	4,040
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,150
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	2,550
T-4	11/15/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	15,000
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,260
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	324
	"	3	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	98.5
	"	4	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.4
S-5	6/21/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	57,300
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16,200
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11,600
T-5	11/15/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	12,700
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,530
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,000
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	591
	"	4	<49.9	64.6	<49.9	64.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.9
S-6	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	66,300
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18,600
T-6	11/15/2023	0-1	<49.5	<49.5	<49.5	<49.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	18,000
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,040
	"	2	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,720
	"	3	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	466
	"	4	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	17.9
S-7	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56,400
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	28,100
T-7	11/15/2023	0-1	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,240
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5,890
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,640
	"	3	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,320
	"	4	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,110
	"	5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,570
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	843
	"	7	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,620
	"	8	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	20.1
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

(T) - Trench Sample

Proposed Excavation

Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-8	6/21/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15,600
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14,900
T-8	11/15/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,690
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,230
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	352
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	126
	"	4	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	14.9
S-9	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00302	<0.00200	<0.00399	<0.00399	29,700
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18,000
T-9	11/15/2023	0-1	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,110
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,240
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	241
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	95.5
	"	4	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.8
S-10	6/21/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	27,300
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	8,960
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00198	0.00290	<0.00198	<0.00396	<0.00396	9,190
T-10	11/15/2023	0-1	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,330
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	413
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	162
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	58.3
	"	4	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.7
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

(T) - Trench Sample

 Proposed Excavation

Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	43.2
H-2	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	63.1
H-3	6/20/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	53.5
H-4	6/20/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.7
H-5	6/20/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	54.7
H-6	6/20/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	46.6
H-7	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.0
H-8	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.4
H-9	6/20/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	36.9
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) - Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View Northeast, area of S-1/T-1 and S-3/T-3.



Photograph No. 2

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

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



Photograph No. 3

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View North, area of S-4/T-4.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View North, area of S-5/T-5.



Photograph No. 5

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View North, area of S-6/T-6.



Photograph No. 6

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

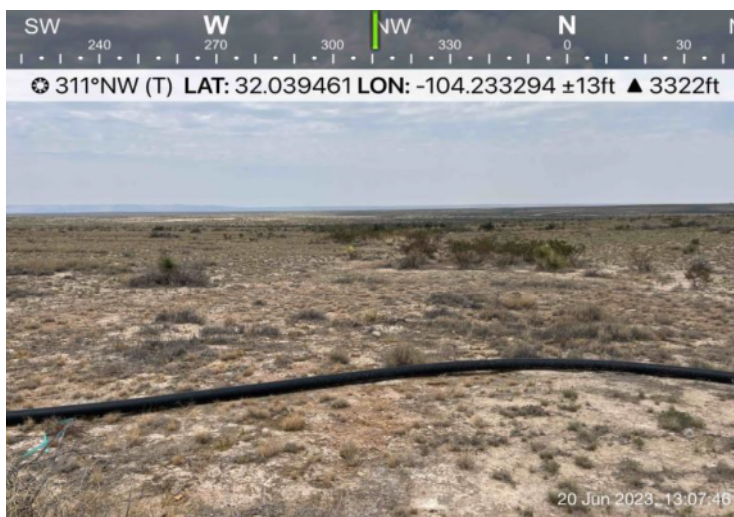
Description:

View West, area of S-7/T-7.

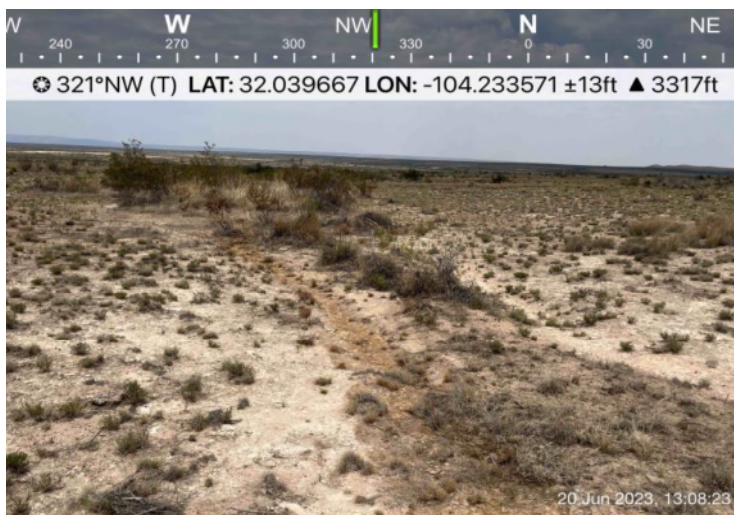


PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 7****Facility:** Asio Otus Federal 003H (06.02.23)**County:** Eddy County, New Mexico**Description:**

View Northwest, area of S-8/T-8 and S-9/T-9.

**Photograph No. 8****Facility:** Asio Otus Federal 003H (06.02.23)**County:** Eddy County, New Mexico**Description:**

View Northwest, area of S-10/T-10.



APPENDIX C

CARMONA RESOURCES



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

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

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

Incident ID	NAPP2317029661
District RP	
Facility ID	fAPP2202647776
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 496-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2317029661
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.0389 Longitude -104.2339
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Asio Otus Federal 003H	Site Type	Flowline
Date Release Discovered	June 2, 2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
L	18	26S	27E	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) 4.0613	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 flowline rupture due to corrosion.

The release was off the pad.

Evaluation will be made of 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	NAPP2317029661
District RP	
Facility ID	fAPP2202647776
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	Title: Environmental Technician
Signature: 	Date: 6/19/2023
email: Brittany.Esparza@ConocoPhillips.com	Telephone: (432) 221-0398
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	NAPP2317029661
District RP	
Facility ID	fAPP2202647776
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>12.60</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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2317029661
District RP	
Facility ID	fAPP2202647776
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: *Jacqui Harris* Date: 1.16.24

email: Jacqui.Harris@ConocoPhillips.com Telephone: (575) 496-0780

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2317029661
District RP	
Facility ID	fAPP2202647776
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: *Jacqui Harris* Date: 1.16.24
email: Jacqui.Harris@ConocoPhillips.com Telephone: (575) 496-0780

OCD Only

Received by: _____ Date: _____

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

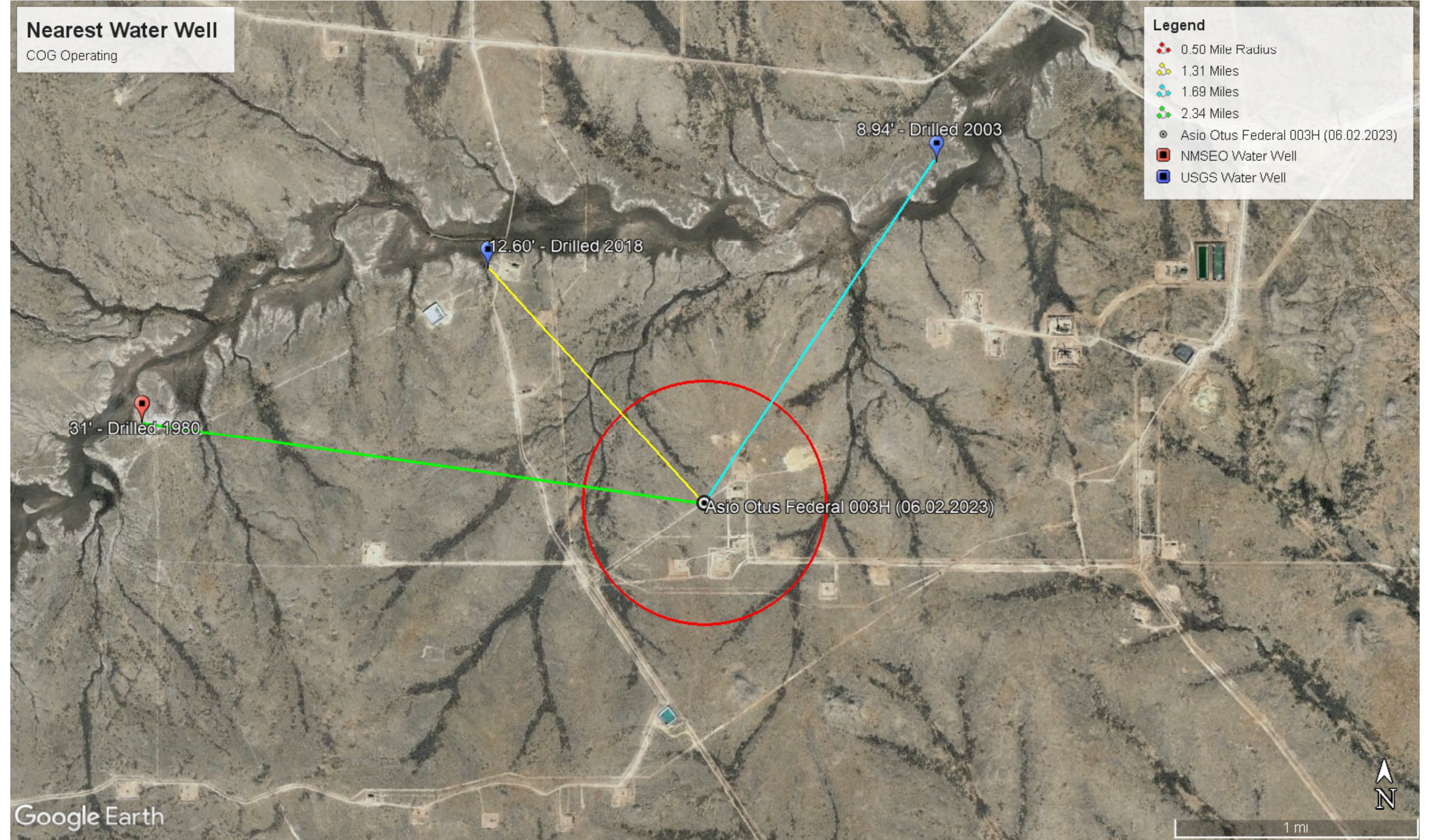
Signature: _____ Date: _____

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation		
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)		Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	Current Rule of Thumb - RMR Handover Volume, (yd³.)
Rectangle A	100.0	8.0	2.0	Off-Pad▼	11.13%	23.73	2.64		6.17	750
Rectangle B	50.0	20.0	0.5	Off-Pad▼	11.13%	7.42	0.83		1.93	
Rectangle C	20.0	3.0	6.0	Off-Pad▼	11.13%	5.34	0.59		1.39	
Rectangle D	0.0	0.0	0.0	Off-Pad▼	11.13%	0.00	0.00		0.00	
Rectangle E	0.0	0.0	0.0	Off-Pad▼	11.13%	0.00	0.00		0.00	
Rectangle F				▼		0.00			0.00	
Rectangle G				▼		0.00			0.00	
Rectangle H				▼		0.00			0.00	
Rectangle I				▼		0.00			0.00	
Rectangle J				▼		0.00			0.00	
Total Subsurface Volume Released:							4.0613		9.49	BU

APPENDIX D

CARMONA RESOURCES









New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04269 POD1	CUB	ED		4	2	3	18	26S	27E	572620	3545176	335	105		
C 02218	CUB	ED		4	1	4	07	26S	27E	573039	3546725*	1860	35		
C 02438	CUB	ED		4	2	3	12	26S	26E	571015	3546705*	2151	30		
C 01887	C	ED		4	4	2	15	26S	26E	568614	3545497*	3750	53	31	22
C 02439	CUB	ED		2	4	2	15	26S	26E	568614	3545697*	3782	30		
C 02219	CUB	ED		4	4	4	05	26S	27E	575033	3547948*	3995	35		

Average Depth to Water: **31 feet**

Minimum Depth: **31 feet**

Maximum Depth: **31 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 572332

Northing (Y): 3545004

Radius: 4000

*UTM location was derived from PLSS - see Help

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

6/19/23 8:57 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	▼	New Mexico	▼
GO							

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320320104145101

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

USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico
Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83
Land-surface elevation 3,230.90 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-25			D	62610	3217.55	NGVD29	1		Z	
1978-01-25			D	62611	3219.22	NAVD88	1		Z	
1978-01-25			D	72019	13.35		1		Z	
1992-11-18			D	62610	3218.87	NGVD29	1		S	
1992-11-18			D	62611	3220.54	NAVD88	1		S	
1992-11-18			D	72019	12.03		1		S	
1998-01-13			D	62610	3215.24	NGVD29	1		S	
1998-01-13			D	62611	3216.91	NAVD88	1		S	
1998-01-13			D	72019	15.66		1		S	
2003-01-28			D	62610	3214.44	NGVD29	1		S	USGS
2003-01-28			D	62611	3216.11	NAVD88	1		S	USGS
2003-01-28			D	72019	16.46		1		S	USGS
2013-01-09	22:10 UTC		m	62610	3213.80	NGVD29	1		S	USGS
2013-01-09	22:10 UTC		m	62611	3215.47	NAVD88	1		S	USGS
2013-01-09	22:10 UTC		m	72019	17.10		1		S	USGS

Date	Time		? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
2018-02-15	22:14 UTC	m	62610	3218.30	NGVD29	1	S	USGS
2018-02-15	22:14 UTC	m	62611	3219.97	NAVD88	1	S	USGS
2018-02-15	22:14 UTC	m	72019	12.60		1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels/>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-06-19 11:03:44 EDT
0.3 0.25 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico		GO

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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320343104110201

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

USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico
Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83
Land-surface elevation 3,182.10 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-03			D 62610		3164.52	NGVD29	1		Z	
1978-01-03			D 62611		3166.18	NAVD88	1		Z	
1978-01-03			D 72019	17.58			1		Z	
1983-01-05			D 62610		3166.54	NGVD29	1		Z	
1983-01-05			D 62611		3168.20	NAVD88	1		Z	
1983-01-05			D 72019	15.56			1		Z	
1987-10-08			D 62610		3167.72	NGVD29	1		Z	
1987-10-08			D 62611		3169.38	NAVD88	1		Z	
1987-10-08			D 72019	14.38			1		Z	
1992-11-04			D 62610		3165.85	NGVD29	1		S	
1992-11-04			D 62611		3167.51	NAVD88	1		S	
1992-11-04			D 72019	16.25			1		S	
1998-01-13			D 62610		3165.45	NGVD29	1		S	
1998-01-13			D 62611		3167.11	NAVD88	1		S	
1998-01-13			D 72019	16.65			1		S	

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S
2003-01-28	D	62610	3164.88	NGVD29	1	S	USGS
2003-01-28	D	62611	3166.54	NAVD88	1	S	USGS
2003-01-28	D	72019	17.22		1	S	USGS
2013-01-09 21:45 UTC	m	62610	3173.16	NGVD29	1	S	USGS
2013-01-09 21:45 UTC	m	62611	3174.82	NAVD88	1	S	USGS
2013-01-09 21:45 UTC	m	72019	8.94		1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320343104110201&agency_cd=USGS&format=html)



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-06-19 11:02:21 EDT

0,31 0,26 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	01887	4	4	2	15	26S	26E	568614	3545497*
Driller License: 817		Driller Company:		WEST, BILLY GEORGE					
Driller Name: GEORGE WEST									
Drill Start Date: 03/26/1980		Drill Finish Date:		04/27/1980		Plug Date:			
Log File Date: 05/09/1980		PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		12 GPM	
Casing Size: 6.00		Depth Well:		53 feet		Depth Water:		31 feet	
Water Bearing Stratifications:		Top	Bottom	Description					
		42	45	Sandstone/Gravel/Conglomerate					
Casing Perforations:		Top	Bottom						
		40	53						

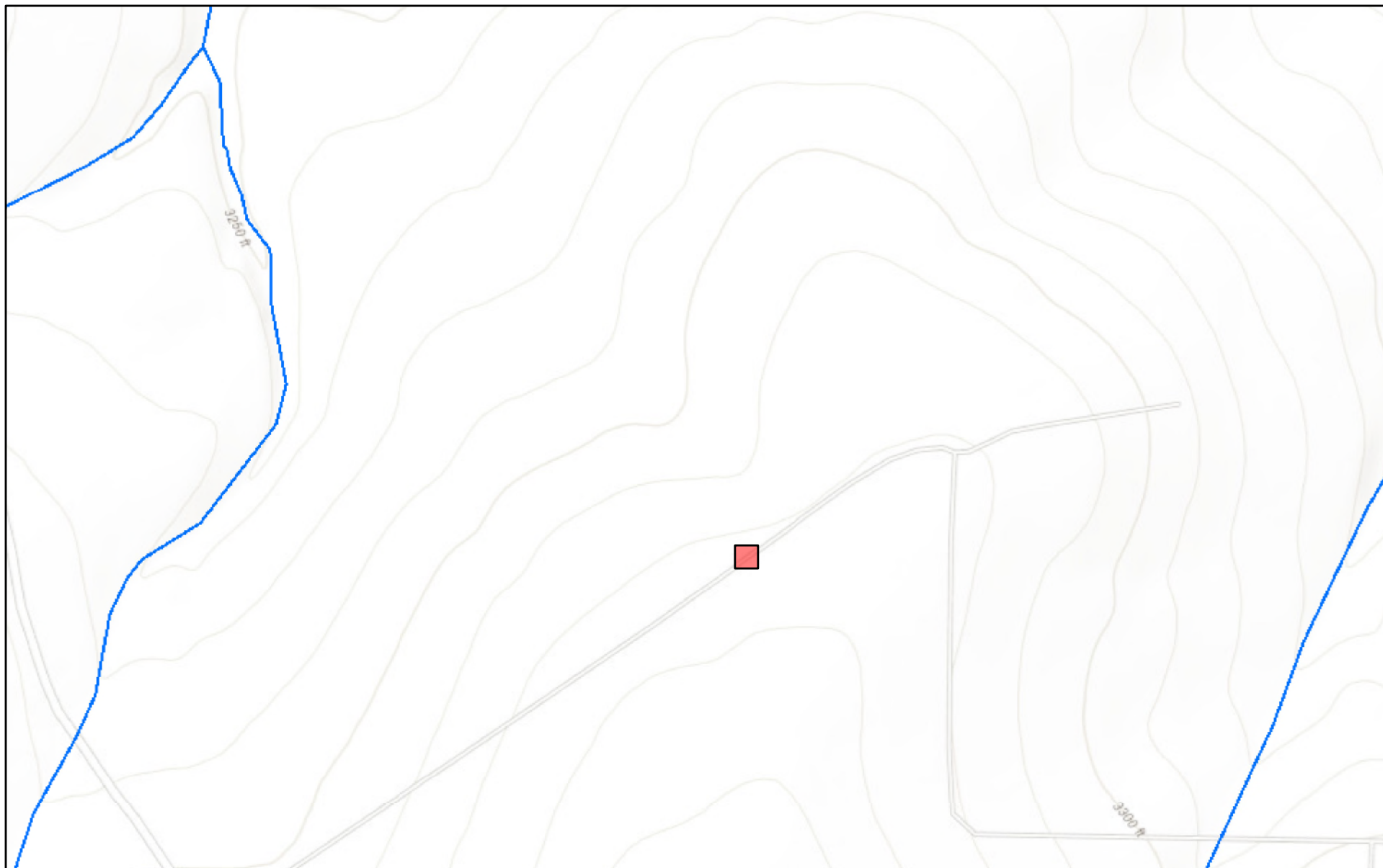
*UTM location was derived from PLSS - see Help

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

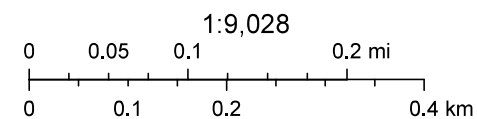
6/19/23 9:00 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



June 19, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/26/2023 11:05:56 AM

JOB DESCRIPTION

Asio Otis Fed #3 (6.2.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-29850-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
6/26/2023 11:05:56 AM

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

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Laboratory Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Job ID: 880-29850-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-29850-1
-----------	------------------------------

Receipt

The samples were received on 6/21/2023 3:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-29850-1), S-1 (1.5') (880-29850-2), S-1 (2') (880-29850-3), S-2 (0-1') (880-29850-4), S-2 (1.5') (880-29850-5), S-3 (0-1') (880-29850-6), S-3 (1.5') (880-29850-7), S-4 (0-1') (880-29850-8), S-4 (1.5') (880-29850-9), S-4 (2') (880-29850-10), S-5 (0-1') (880-29850-11), S-5 (1.5') (880-29850-12), S-5 (2') (880-29850-13), S-6 (0-1') (880-29850-14), S-6 (1.5') (880-29850-15), S-7 (0-1') (880-29850-16), S-7 (1.5') (880-29850-17), S-8 (0-1') (880-29850-18), S-8 (1.5') (880-29850-19), S-9 (0-1') (880-29850-20), S-9 (1.5') (880-29850-21), S-10 (0-1') (880-29850-22), S-10 (1.5') (880-29850-23) and S-10 (2') (880-29850-24).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-56049/2-B), (MB 880-56049/5-B) and (MB 880-56050/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-56049 and analytical batch 880-56047 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (1.5') (880-29850-5). 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: (MB 880-56090/5-A) and (MB 880-56107/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-56098 and analytical batch 880-56145 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-10 (2') (880-29850-24). 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 for preparation batch 880-56030 and analytical batch 880-56105 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-1

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 05:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/22/23 14:18	06/23/23 05:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/22/23 14:18	06/23/23 05:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 10:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 10:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/22/23 08:00	06/23/23 10:24	1
o-Terphenyl	97		70 - 130	06/22/23 08:00	06/23/23 10:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24700		250		mg/Kg			06/23/23 04:54	50

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-29850-2

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 06:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/22/23 14:18	06/23/23 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/22/23 14:18	06/23/23 06:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/22/23 14:18	06/23/23 06:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-29850-2

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/23/23 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 11:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 11:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/22/23 08:00	06/23/23 11:35	1
o-Terphenyl	96		70 - 130				06/22/23 08:00	06/23/23 11:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16000		249		mg/Kg			06/23/23 05:12	50

Client Sample ID: S-1 (2')

Lab Sample ID: 880-29850-3

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 06:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/22/23 14:18	06/23/23 06:46	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/22/23 14:18	06/23/23 06:46	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			06/23/23 11:49	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 11:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 11:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-29850-3

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/22/23 08:00	06/23/23 11:59	1
o-Terphenyl	116		70 - 130				06/22/23 08:00	06/23/23 11:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7460		99.6		mg/Kg			06/23/23 05:18	20

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

Lab Sample ID: 880-29850-4

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 07:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/22/23 14:18	06/23/23 07:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/22/23 14:18	06/23/23 07:13	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			06/23/23 11:49	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/22/23 08:00	06/23/23 12:22	1
o-Terphenyl	94		70 - 130				06/22/23 08:00	06/23/23 12:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24000		248		mg/Kg			06/23/23 05:23	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-29850-5

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 07:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	06/22/23 14:18	06/23/23 07:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/22/23 14:18	06/23/23 07:39	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			06/23/23 11:49	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/22/23 08:00	06/23/23 12:46	1
o-Terphenyl	94		70 - 130	06/22/23 08:00	06/23/23 12:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14600		250		mg/Kg			06/23/23 05:29	50

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

Lab Sample ID: 880-29850-6

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 08:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	06/22/23 14:18	06/23/23 08:05	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/22/23 14:18	06/23/23 08:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-6

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/23/23 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 10:12	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	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 13:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 13:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/22/23 08:00	06/23/23 13:11	1
o-Terphenyl	88		70 - 130				06/22/23 08:00	06/23/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19300		249		mg/Kg			06/23/23 05:47	50

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-29850-7

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 08:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/22/23 14:18	06/23/23 08:31	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/22/23 14:18	06/23/23 08:31	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			06/23/23 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 13:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 13:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-29850-7

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:00	06/23/23 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/22/23 08:00	06/23/23 13:36	1
o-Terphenyl	85		70 - 130				06/22/23 08:00	06/23/23 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5650		99.6		mg/Kg			06/23/23 05:53	20

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

Lab Sample ID: 880-29850-8

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 08:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/22/23 14:18	06/23/23 08:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/22/23 14:18	06/23/23 08:56	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			06/23/23 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/22/23 08:00	06/23/23 14:03	1
o-Terphenyl	79		70 - 130				06/22/23 08:00	06/23/23 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4040		99.8		mg/Kg			06/23/23 05:59	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-29850-9

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 09:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 09:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/22/23 14:18	06/23/23 09:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/22/23 14:18	06/23/23 09:22	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			06/23/23 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/22/23 08:00	06/23/23 14:30	1
o-Terphenyl	88		70 - 130	06/22/23 08:00	06/23/23 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		50.0		mg/Kg			06/23/23 06:05	10

Client Sample ID: S-4 (2')

Lab Sample ID: 880-29850-10

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 09:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/22/23 14:18	06/23/23 09:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/22/23 14:18	06/23/23 09:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (2')

Lab Sample ID: 880-29850-10

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/23/23 11:49	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 14:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/22/23 08:00	06/23/23 14:55	1
o-Terphenyl	101		70 - 130				06/22/23 08:00	06/23/23 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		50.4		mg/Kg			06/23/23 02:46	10

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

Lab Sample ID: 880-29850-11

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 11:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/22/23 14:18	06/23/23 11:33	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/22/23 14:18	06/23/23 11:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/26/23 11:55	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			06/26/23 10:12	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	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 15:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 15:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-11
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 15:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	87		70 - 130				06/22/23 08:00	06/23/23 15:46	1	
o-Terphenyl	92		70 - 130				06/22/23 08:00	06/23/23 15:46	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	57300		249		mg/Kg			06/23/23 02:52	50	

Client Sample ID: S-5 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-12
Matrix: Solid

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		06/22/23 14:18	06/23/23 11:59	1	
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 11:59	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 11:59	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 11:59	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 11:59	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 11:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	116		70 - 130				06/22/23 14:18	06/23/23 11:59	1	
1,4-Difluorobenzene (Surr)	94		70 - 130				06/22/23 14:18	06/23/23 11:59	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/26/23 11:55	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:14	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:14	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	88		70 - 130				06/22/23 08:00	06/23/23 16:14	1	
o-Terphenyl	93		70 - 130				06/22/23 08:00	06/23/23 16:14	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	16200		251		mg/Kg			06/23/23 03:09	50	

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (2')

Lab Sample ID: 880-29850-13

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 12:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/22/23 14:18	06/23/23 12:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/22/23 14:18	06/23/23 12:25	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			06/26/23 11:55	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/22/23 08:00	06/23/23 16:41	1
o-Terphenyl	93		70 - 130	06/22/23 08:00	06/23/23 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11600		99.0		mg/Kg			06/23/23 03:15	20

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

Lab Sample ID: 880-29850-14

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 12:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/22/23 14:18	06/23/23 12:51	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/22/23 14:18	06/23/23 12:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-14

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/26/23 11:55	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			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/22/23 08:00	06/23/23 17:07	1
o-Terphenyl	90		70 - 130				06/22/23 08:00	06/23/23 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66300		248		mg/Kg			06/23/23 03:33	50

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-29850-15

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 13:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/22/23 14:18	06/23/23 13:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/22/23 14:18	06/23/23 13:17	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			06/26/23 11:55	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			06/26/23 10:12	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	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 17:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 17:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-29850-15

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/22/23 08:00	06/23/23 17:33	1
o-Terphenyl	89		70 - 130				06/22/23 08:00	06/23/23 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18600		250		mg/Kg			06/23/23 03:39	50

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

Lab Sample ID: 880-29850-16

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 13:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/22/23 14:18	06/23/23 13:43	1
1,4-Difluorobenzene (Surr)	110		70 - 130				06/22/23 14:18	06/23/23 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/26/23 11:55	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			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/22/23 08:00	06/23/23 17:59	1
o-Terphenyl	91		70 - 130				06/22/23 08:00	06/23/23 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56400		252		mg/Kg			06/23/23 03:44	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-29850-17

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 14:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/22/23 14:18	06/23/23 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/22/23 14:18	06/23/23 14:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/22/23 14:18	06/23/23 14:10	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			06/26/23 11:55	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			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 18:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 18:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/22/23 08:00	06/23/23 18:24	1
o-Terphenyl	92		70 - 130	06/22/23 08:00	06/23/23 18:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28100		253		mg/Kg			06/23/23 03:50	50

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

Lab Sample ID: 880-29850-18

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 14:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/22/23 14:18	06/23/23 14:36	1
1,4-Difluorobenzene (Surr)	113		70 - 130	06/22/23 14:18	06/23/23 14:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-18

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/26/23 11:55	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 18:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 18:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/22/23 08:00	06/23/23 18:49	1
o-Terphenyl	89		70 - 130				06/22/23 08:00	06/23/23 18:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15600		250		mg/Kg			06/23/23 03:56	50

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-29850-19

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 15:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/22/23 14:18	06/23/23 15:14	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/22/23 14:18	06/23/23 15:14	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			06/26/23 11:55	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			06/26/23 10:12	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	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 19:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-29850-19

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/22/23 08:00	06/23/23 19:13	1
o-Terphenyl	95		70 - 130				06/22/23 08:00	06/23/23 19:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14900		253		mg/Kg			06/23/23 04:02	50

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

Lab Sample ID: 880-29850-20

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 14:18	06/23/23 15:40	1
Toluene	0.00302		0.00200		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/22/23 14:18	06/23/23 15:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/22/23 14:18	06/23/23 15:40	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			06/26/23 11:55	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			06/26/23 10:12	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	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 19:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 19:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/22/23 08:00	06/23/23 19:37	1
o-Terphenyl	94		70 - 130				06/22/23 08:00	06/23/23 19:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29700		248		mg/Kg			06/23/23 04:08	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-29850-21

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/23/23 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
Xylenes, Total	<0.00399	U *1	0.00399		mg/Kg		06/22/23 08:58	06/23/23 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	06/22/23 08:58	06/23/23 01:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/22/23 08:58	06/23/23 01:13	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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 12:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 12:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	06/22/23 13:37	06/23/23 12:14	1
o-Terphenyl	121		70 - 130	06/22/23 13:37	06/23/23 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18000		250		mg/Kg			06/23/23 06:10	50

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

Lab Sample ID: 880-29850-22

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/23/23 02:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
Xylenes, Total	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/23/23 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	06/22/23 08:58	06/23/23 02:37	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/22/23 08:58	06/23/23 02:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-22

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/23/23 11:22	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			06/26/23 11:08	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	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 13:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 13:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/22/23 13:37	06/23/23 13:22	1
o-Terphenyl	103		70 - 130				06/22/23 13:37	06/23/23 13:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27300		248		mg/Kg			06/23/23 06:16	50

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-29850-23

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/23/23 02:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
Xylenes, Total	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				06/22/23 08:58	06/23/23 02:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/22/23 08:58	06/23/23 02:58	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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 13:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 13:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-29850-23

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 13:37	06/23/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/22/23 13:37	06/23/23 13:45	1
o-Terphenyl	101		70 - 130				06/22/23 13:37	06/23/23 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8960		99.0		mg/Kg			06/23/23 06:34	20

Client Sample ID: S-10 (2')

Lab Sample ID: 880-29850-24

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/23/23 03:18	1
Toluene	0.00290		0.00198		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
m-Xylene & p-Xylene	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
o-Xylene	<0.00198	U * - *1	0.00198		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
Xylenes, Total	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/22/23 08:58	06/23/23 03:18	1
1,4-Difluorobenzene (Surr)	83		70 - 130				06/22/23 08:58	06/23/23 03:18	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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 11:08	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	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 14:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 14:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				06/22/23 13:37	06/23/23 14:08	1
o-Terphenyl	120		70 - 130				06/22/23 13:37	06/23/23 14:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9190		99.8		mg/Kg			06/23/23 06:39	20

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Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
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	DFBZ1
		(70-130)	(70-130)
880-29849-A-1-G MS	Matrix Spike	106	109
880-29849-A-1-H MSD	Matrix Spike Duplicate	100	106
880-29850-1	S-1 (0-1')	97	96
880-29850-1 MS	S-1 (0-1')	96	105
880-29850-1 MSD	S-1 (0-1')	99	92
880-29850-2	S-1 (1.5')	105	99
880-29850-3	S-1 (2')	90	79
880-29850-4	S-2 (0-1')	101	96
880-29850-5	S-2 (1.5')	136 S1+	100
880-29850-6	S-3 (0-1')	115	109
880-29850-7	S-3 (1.5')	111	102
880-29850-8	S-4 (0-1')	106	90
880-29850-9	S-4 (1.5')	114	93
880-29850-10	S-4 (2')	113	95
880-29850-11	S-5 (0-1')	97	85
880-29850-12	S-5 (1.5')	116	94
880-29850-13	S-5 (2')	112	91
880-29850-14	S-6 (0-1')	99	87
880-29850-15	S-6 (1.5')	106	103
880-29850-16	S-7 (0-1')	112	110
880-29850-17	S-7 (1.5')	101	96
880-29850-18	S-8 (0-1')	105	113
880-29850-19	S-8 (1.5')	117	103
880-29850-20	S-9 (0-1')	105	102
880-29850-21	S-9 (1.5')	82	90
880-29850-22	S-10 (0-1')	81	82
880-29850-23	S-10 (1.5')	83	100
880-29850-24	S-10 (2')	91	83
LCS 880-56049/1-B	Lab Control Sample	101	113
LCS 880-56107/1-A	Lab Control Sample	105	121
LCSD 880-56049/2-B	Lab Control Sample Dup	60 S1-	113
LCSD 880-56107/2-A	Lab Control Sample Dup	95	113
MB 880-56049/5-B	Method Blank	67 S1-	99
MB 880-56050/5-A	Method Blank	65 S1-	100
MB 880-56090/5-A	Method Blank	59 S1-	92
MB 880-56107/5-A	Method Blank	56 S1-	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-29850-1	S-1 (0-1')	94	97
880-29850-1 MS	S-1 (0-1')	90	81
880-29850-1 MSD	S-1 (0-1')	91	81

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-29850-1

Project/Site: Asio Otis Fed #3 (6.2.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29850-2	S-1 (1.5')	92	96
880-29850-3	S-1 (2')	110	116
880-29850-4	S-2 (0-1')	89	94
880-29850-5	S-2 (1.5')	90	94
880-29850-6	S-3 (0-1')	86	88
880-29850-7	S-3 (1.5')	85	85
880-29850-8	S-4 (0-1')	82	79
880-29850-9	S-4 (1.5')	86	88
880-29850-10	S-4 (2')	96	101
880-29850-11	S-5 (0-1')	87	92
880-29850-12	S-5 (1.5')	88	93
880-29850-13	S-5 (2')	87	93
880-29850-14	S-6 (0-1')	86	90
880-29850-15	S-6 (1.5')	86	89
880-29850-16	S-7 (0-1')	88	91
880-29850-17	S-7 (1.5')	88	92
880-29850-18	S-8 (0-1')	89	89
880-29850-19	S-8 (1.5')	92	95
880-29850-20	S-9 (0-1')	89	94
880-29850-21	S-9 (1.5')	130	121
880-29850-21 MS	S-9 (1.5')	120	99
880-29850-21 MSD	S-9 (1.5')	120	99
880-29850-22	S-10 (0-1')	114	103
880-29850-23	S-10 (1.5')	110	101
880-29850-24	S-10 (2')	132 S1+	120
LCS 880-56046/2-A	Lab Control Sample	90	91
LCS 880-56098/2-A	Lab Control Sample	113	101
LCSD 880-56046/3-A	Lab Control Sample Dup	87	83
LCSD 880-56098/3-A	Lab Control Sample Dup	106	95
MB 880-56046/1-A	Method Blank	112	117
MB 880-56098/1-A	Method Blank	143 S1+	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56049/5-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56049

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	06/22/23 08:58	06/22/23 21:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/22/23 08:58	06/22/23 21:46	1

Lab Sample ID: LCS 880-56049/1-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Benzene	0.100	0.1158		mg/Kg		116	70 - 130
Toluene	0.100	0.1027		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1005		mg/Kg		100	70 - 130

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

Lab Sample ID: LCSD 880-56049/2-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	
		Result	Qualifier				Limits	RPD	Limit
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	5	35
Toluene	0.100	0.09141		mg/Kg		91	70 - 130	12	35
Ethylbenzene	0.100	0.07666		mg/Kg		77	70 - 130	27	35
m-Xylene & p-Xylene	0.200	0.1420	*1	mg/Kg		71	70 - 130	37	35
o-Xylene	0.100	0.06671	*- *1	mg/Kg		67	70 - 130	40	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-29849-A-1-G MS

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				Limits
Benzene	<0.00202	U	0.0996	0.1115		mg/Kg		112	70 - 130
Toluene	<0.00202	U	0.0996	0.09417		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-A-1-G MS

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09343		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00403	U *1	0.199	0.1831		mg/Kg		92	70 - 130
o-Xylene	<0.00202	U *- *1	0.0996	0.09145		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-29849-A-1-H MSD

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1071		mg/Kg		108	70 - 130	4	35
Toluene	<0.00202	U	0.0990	0.09186		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0990	0.08794		mg/Kg		89	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U *1	0.198	0.1726		mg/Kg		87	70 - 130	6	35
o-Xylene	<0.00202	U *- *1	0.0990	0.08592		mg/Kg		87	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-56050/5-A

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	06/22/23 09:04	06/22/23 11:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/22/23 09:04	06/22/23 11:04	1

Lab Sample ID: MB 880-56090/5-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56090

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 12:05	06/22/23 15:58	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-56090/5-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56090

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130				06/22/23 12:05	06/22/23 15:58	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/22/23 12:05	06/22/23 15:58	1

Lab Sample ID: MB 880-56107/5-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56107

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130				06/22/23 14:18	06/23/23 05:29	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/22/23 14:18	06/23/23 05:29	1

Lab Sample ID: LCS 880-56107/1-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1258		mg/Kg		126	70 - 130		
Toluene	0.100	0.1107		mg/Kg		111	70 - 130		
Ethylbenzene	0.100	0.1133		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene	0.200	0.2196		mg/Kg		110	70 - 130		
o-Xylene	0.100	0.1132		mg/Kg		113	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	121		70 - 130						

Lab Sample ID: LCSD 880-56107/2-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1291		mg/Kg		129	70 - 130	3	35
Toluene	0.100	0.1175		mg/Kg		118	70 - 130	6	35
Ethylbenzene	0.100	0.1062		mg/Kg		106	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2176		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1151		mg/Kg		115	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-29850-1 MS

Matrix: Solid

Analysis Batch: 56092

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

Prep Type: Total/NA

Prep Batch: 56107

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.101	0.1027		mg/Kg		102	70 - 130	
Toluene	<0.00199	U	0.101	0.08843		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00199	U	0.101	0.08353		mg/Kg		83	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1579		mg/Kg		78	70 - 130	
o-Xylene	<0.00199	U	0.101	0.08123		mg/Kg		80	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56092

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

Prep Type: Total/NA

Prep Batch: 56107

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00199	U	0.100	0.1009		mg/Kg		101	70 - 130	2	35	
Toluene	<0.00199	U	0.100	0.08717		mg/Kg		87	70 - 130	1	35	
Ethylbenzene	<0.00199	U	0.100	0.08110		mg/Kg		81	70 - 130	3	35	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1537		mg/Kg		77	70 - 130	3	35	
o-Xylene	<0.00199	U	0.100	0.07614		mg/Kg		76	70 - 130	6	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-56046/1-A

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56046

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 07:48	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 07:48	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 07:48	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	112		70 - 130	06/22/23 08:00	06/23/23 07:48	1				
o-Terphenyl	117		70 - 130	06/22/23 08:00	06/23/23 07:48	1				

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-56046/2-A

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
	Added									
Gasoline Range Organics (GRO)-C6-C10	1000		901.8		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	1000		951.1		mg/Kg		95	70 - 130		
		LCS	LCS							
		%Recovery	Qualifier							
Surrogate										
1-Chlorooctane		90						70 - 130		
o-Terphenyl		91						70 - 130		

Lab Sample ID: LCSD 880-56046/3-A

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Spike		LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Added									
Gasoline Range Organics (GRO)-C6-C10	1000		896.4		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000		952.4		mg/Kg		95	70 - 130	0	20
		LCSD	LCSD							
		%Recovery	Qualifier							
Surrogate										
1-Chlorooctane		87						70 - 130		
o-Terphenyl		83						70 - 130		

Lab Sample ID: 880-29850-1 MS

Matrix: Solid

Analysis Batch: 56141

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

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Sample Result	Sample Qualifier	Spike		MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
			Added									
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996		874.2		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996		822.0		mg/Kg		79	70 - 130		
		MS	MS									
		%Recovery	Qualifier									
Surrogate												
1-Chlorooctane		90								70 - 130		
o-Terphenyl		81								70 - 130		

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56141

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

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Sample Result	Sample Qualifier	Spike		MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
			Added									
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996		879.1		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996		823.5		mg/Kg		79	70 - 130	0	20
		MSD	MSD									
		%Recovery	Qualifier									
Surrogate												
1-Chlorooctane		91								70 - 130		

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56141

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

Prep Type: Total/NA

Prep Batch: 56046

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	81		70 - 130

Lab Sample ID: MB 880-56098/1-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56098

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	143	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1
<i>o</i> -Terphenyl	133	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1

Lab Sample ID: LCS 880-56098/2-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.5		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	943.2		mg/Kg		94	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	113		70 - 130				
<i>o</i> -Terphenyl	101		70 - 130				

Lab Sample ID: LCSD 880-56098/3-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	989.2		mg/Kg		99	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	968.7		mg/Kg		97	70 - 130	3	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	106		70 - 130						
<i>o</i> -Terphenyl	95		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-21 MS

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: S-9 (1.5")

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1044		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1017		mg/Kg		97	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: 880-29850-21 MSD

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: S-9 (1.5')

Prep Type: Total/NA

Prep Batch: 56098

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	998	1018		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1034		mg/Kg		99	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	99		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56030/1-A

Matrix: Solid

Analysis Batch: 56105

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			06/23/23 01:13	1

Lab Sample ID: LCS 880-56030/2-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Chloride	250	252.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56030/3-A

Matrix: Solid

Analysis Batch: 56105

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	253.5		mg/Kg		101	90 - 110		1		20

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-29850-11 MS

Matrix: Solid

Analysis Batch: 56105

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	57300		12500	69780	4	mg/Kg		100	90 - 110

Lab Sample ID: 880-29850-11 MSD

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: S-5 (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	57300		12500	69850	4	mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-56031/1-A

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/23/23 04:37	1

Lab Sample ID: LCS 880-56031/2-A

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.9		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56031/3-A

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-29850-1 MS

Matrix: Solid

Analysis Batch: 56126

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	24700		12500	36490		mg/Kg		94	90 - 110

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: S-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	24700		12500	36480		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-29850-22 MS

Matrix: Solid

Analysis Batch: 56126

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	27300		12400	40330		mg/Kg		105	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-29850-22 MSD

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

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 56126

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	27300		12400	40410		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 56047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	8021B	56049
880-29850-22	S-10 (0-1')	Total/NA	Solid	8021B	56049
880-29850-23	S-10 (1.5')	Total/NA	Solid	8021B	56049
880-29850-24	S-10 (2')	Total/NA	Solid	8021B	56049
MB 880-56049/5-B	Method Blank	Total/NA	Solid	8021B	56049
MB 880-56050/5-A	Method Blank	Total/NA	Solid	8021B	56050
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	8021B	56049
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	56049
880-29849-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	56049
880-29849-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	56049

Prep Batch: 56049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	5035	
880-29850-22	S-10 (0-1')	Total/NA	Solid	5035	
880-29850-23	S-10 (1.5')	Total/NA	Solid	5035	
880-29850-24	S-10 (2')	Total/NA	Solid	5035	
MB 880-56049/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29849-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-29849-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 56050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56050/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56090/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 56092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8021B	56107
880-29850-2	S-1 (1.5')	Total/NA	Solid	8021B	56107
880-29850-3	S-1 (2')	Total/NA	Solid	8021B	56107
880-29850-4	S-2 (0-1')	Total/NA	Solid	8021B	56107
880-29850-5	S-2 (1.5')	Total/NA	Solid	8021B	56107
880-29850-6	S-3 (0-1')	Total/NA	Solid	8021B	56107
880-29850-7	S-3 (1.5')	Total/NA	Solid	8021B	56107
880-29850-8	S-4 (0-1')	Total/NA	Solid	8021B	56107
880-29850-9	S-4 (1.5')	Total/NA	Solid	8021B	56107
880-29850-10	S-4 (2')	Total/NA	Solid	8021B	56107
880-29850-11	S-5 (0-1')	Total/NA	Solid	8021B	56107
880-29850-12	S-5 (1.5')	Total/NA	Solid	8021B	56107
880-29850-13	S-5 (2')	Total/NA	Solid	8021B	56107
880-29850-14	S-6 (0-1')	Total/NA	Solid	8021B	56107
880-29850-15	S-6 (1.5')	Total/NA	Solid	8021B	56107
880-29850-16	S-7 (0-1')	Total/NA	Solid	8021B	56107
880-29850-17	S-7 (1.5')	Total/NA	Solid	8021B	56107
880-29850-18	S-8 (0-1')	Total/NA	Solid	8021B	56107

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 56092 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-19	S-8 (1.5')	Total/NA	Solid	8021B	56107
880-29850-20	S-9 (0-1')	Total/NA	Solid	8021B	56107
MB 880-56090/5-A	Method Blank	Total/NA	Solid	8021B	56090
MB 880-56107/5-A	Method Blank	Total/NA	Solid	8021B	56107
LCS 880-56107/1-A	Lab Control Sample	Total/NA	Solid	8021B	56107
LCSD 880-56107/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56107
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	56107
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	56107

Prep Batch: 56107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	5035	
880-29850-2	S-1 (1.5')	Total/NA	Solid	5035	
880-29850-3	S-1 (2')	Total/NA	Solid	5035	
880-29850-4	S-2 (0-1')	Total/NA	Solid	5035	
880-29850-5	S-2 (1.5')	Total/NA	Solid	5035	
880-29850-6	S-3 (0-1')	Total/NA	Solid	5035	
880-29850-7	S-3 (1.5')	Total/NA	Solid	5035	
880-29850-8	S-4 (0-1')	Total/NA	Solid	5035	
880-29850-9	S-4 (1.5')	Total/NA	Solid	5035	
880-29850-10	S-4 (2')	Total/NA	Solid	5035	
880-29850-11	S-5 (0-1')	Total/NA	Solid	5035	
880-29850-12	S-5 (1.5')	Total/NA	Solid	5035	
880-29850-13	S-5 (2')	Total/NA	Solid	5035	
880-29850-14	S-6 (0-1')	Total/NA	Solid	5035	
880-29850-15	S-6 (1.5')	Total/NA	Solid	5035	
880-29850-16	S-7 (0-1')	Total/NA	Solid	5035	
880-29850-17	S-7 (1.5')	Total/NA	Solid	5035	
880-29850-18	S-8 (0-1')	Total/NA	Solid	5035	
880-29850-19	S-8 (1.5')	Total/NA	Solid	5035	
880-29850-20	S-9 (0-1')	Total/NA	Solid	5035	
MB 880-56107/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56107/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56107/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 56191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-29850-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-5	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-6	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-7	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-8	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-9	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-10	S-4 (2')	Total/NA	Solid	Total BTEX	
880-29850-11	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-12	S-5 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 56191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-13	S-5 (2')	Total/NA	Solid	Total BTEX	
880-29850-14	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-15	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-16	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-17	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-18	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-19	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-20	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-21	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-22	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-23	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-24	S-10 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-29850-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-5	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-6	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-7	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-8	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-9	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-10	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-29850-11	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-12	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-13	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-29850-14	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-15	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-16	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-17	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-18	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-19	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-20	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-56046/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56046/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56046/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 56098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-22	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-23	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-24	S-10 (2')	Total/NA	Solid	8015NM Prep	
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 56098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29850-21 MS	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-21 MSD	S-9 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-2	S-1 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-3	S-1 (2')	Total/NA	Solid	8015B NM	56046
880-29850-4	S-2 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-5	S-2 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-6	S-3 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-7	S-3 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-8	S-4 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-9	S-4 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-10	S-4 (2')	Total/NA	Solid	8015B NM	56046
880-29850-11	S-5 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-12	S-5 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-13	S-5 (2')	Total/NA	Solid	8015B NM	56046
880-29850-14	S-6 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-15	S-6 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-16	S-7 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-17	S-7 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-18	S-8 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-19	S-8 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-20	S-9 (0-1')	Total/NA	Solid	8015B NM	56046
MB 880-56046/1-A	Method Blank	Total/NA	Solid	8015B NM	56046
LCS 880-56046/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56046
LCSD 880-56046/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56046
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	56046

Analysis Batch: 56145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	8015B NM	56098
880-29850-22	S-10 (0-1')	Total/NA	Solid	8015B NM	56098
880-29850-23	S-10 (1.5')	Total/NA	Solid	8015B NM	56098
880-29850-24	S-10 (2')	Total/NA	Solid	8015B NM	56098
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015B NM	56098
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56098
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56098
880-29850-21 MS	S-9 (1.5')	Total/NA	Solid	8015B NM	56098
880-29850-21 MSD	S-9 (1.5')	Total/NA	Solid	8015B NM	56098

Analysis Batch: 56329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-29850-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-29850-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-29850-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-29850-5	S-2 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-6	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-29850-7	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-29850-8	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-29850-9	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-29850-10	S-4 (2')	Total/NA	Solid	8015 NM	
880-29850-11	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-29850-12	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-29850-13	S-5 (2')	Total/NA	Solid	8015 NM	
880-29850-14	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-29850-15	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-29850-16	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-29850-17	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-29850-18	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-29850-19	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-29850-20	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-29850-21	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-29850-22	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-29850-23	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-29850-24	S-10 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-10	S-4 (2')	Soluble	Solid	DI Leach	
880-29850-11	S-5 (0-1')	Soluble	Solid	DI Leach	
880-29850-12	S-5 (1.5')	Soluble	Solid	DI Leach	
880-29850-13	S-5 (2')	Soluble	Solid	DI Leach	
880-29850-14	S-6 (0-1')	Soluble	Solid	DI Leach	
880-29850-15	S-6 (1.5')	Soluble	Solid	DI Leach	
880-29850-16	S-7 (0-1')	Soluble	Solid	DI Leach	
880-29850-17	S-7 (1.5')	Soluble	Solid	DI Leach	
880-29850-18	S-8 (0-1')	Soluble	Solid	DI Leach	
880-29850-19	S-8 (1.5')	Soluble	Solid	DI Leach	
880-29850-20	S-9 (0-1')	Soluble	Solid	DI Leach	
MB 880-56030/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29850-11 MS	S-5 (0-1')	Soluble	Solid	DI Leach	
880-29850-11 MSD	S-5 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 56031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-29850-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-29850-3	S-1 (2')	Soluble	Solid	DI Leach	
880-29850-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-29850-5	S-2 (1.5')	Soluble	Solid	DI Leach	
880-29850-6	S-3 (0-1')	Soluble	Solid	DI Leach	
880-29850-7	S-3 (1.5')	Soluble	Solid	DI Leach	
880-29850-8	S-4 (0-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 56031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-9	S-4 (1.5')	Soluble	Solid	DI Leach	
880-29850-21	S-9 (1.5')	Soluble	Solid	DI Leach	
880-29850-22	S-10 (0-1')	Soluble	Solid	DI Leach	
880-29850-23	S-10 (1.5')	Soluble	Solid	DI Leach	
880-29850-24	S-10 (2')	Soluble	Solid	DI Leach	
MB 880-56031/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56031/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56031/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29850-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-29850-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	
880-29850-22 MS	S-10 (0-1')	Soluble	Solid	DI Leach	
880-29850-22 MSD	S-10 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 56105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-10	S-4 (2')	Soluble	Solid	300.0	56030
880-29850-11	S-5 (0-1')	Soluble	Solid	300.0	56030
880-29850-12	S-5 (1.5')	Soluble	Solid	300.0	56030
880-29850-13	S-5 (2')	Soluble	Solid	300.0	56030
880-29850-14	S-6 (0-1')	Soluble	Solid	300.0	56030
880-29850-15	S-6 (1.5')	Soluble	Solid	300.0	56030
880-29850-16	S-7 (0-1')	Soluble	Solid	300.0	56030
880-29850-17	S-7 (1.5')	Soluble	Solid	300.0	56030
880-29850-18	S-8 (0-1')	Soluble	Solid	300.0	56030
880-29850-19	S-8 (1.5')	Soluble	Solid	300.0	56030
880-29850-20	S-9 (0-1')	Soluble	Solid	300.0	56030
MB 880-56030/1-A	Method Blank	Soluble	Solid	300.0	56030
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	300.0	56030
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56030
880-29850-11 MS	S-5 (0-1')	Soluble	Solid	300.0	56030
880-29850-11 MSD	S-5 (0-1')	Soluble	Solid	300.0	56030

Analysis Batch: 56126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Soluble	Solid	300.0	56031
880-29850-2	S-1 (1.5')	Soluble	Solid	300.0	56031
880-29850-3	S-1 (2')	Soluble	Solid	300.0	56031
880-29850-4	S-2 (0-1')	Soluble	Solid	300.0	56031
880-29850-5	S-2 (1.5')	Soluble	Solid	300.0	56031
880-29850-6	S-3 (0-1')	Soluble	Solid	300.0	56031
880-29850-7	S-3 (1.5')	Soluble	Solid	300.0	56031
880-29850-8	S-4 (0-1')	Soluble	Solid	300.0	56031
880-29850-9	S-4 (1.5')	Soluble	Solid	300.0	56031
880-29850-21	S-9 (1.5')	Soluble	Solid	300.0	56031
880-29850-22	S-10 (0-1')	Soluble	Solid	300.0	56031
880-29850-23	S-10 (1.5')	Soluble	Solid	300.0	56031
880-29850-24	S-10 (2')	Soluble	Solid	300.0	56031
MB 880-56031/1-A	Method Blank	Soluble	Solid	300.0	56031
LCS 880-56031/2-A	Lab Control Sample	Soluble	Solid	300.0	56031
LCSD 880-56031/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56031
880-29850-1 MS	S-1 (0-1')	Soluble	Solid	300.0	56031

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 56126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	56031
880-29850-22 MS	S-10 (0-1')	Soluble	Solid	300.0	56031
880-29850-22 MSD	S-10 (0-1')	Soluble	Solid	300.0	56031

- 1
- 2
- 3
- 4
- 5
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- 9
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- 11
- 12
- 13
- 14

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 05:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 10:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 04:54	CH	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 06:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 11:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:12	CH	EET MID

Client Sample ID: S-1 (2')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 06:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 11:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 05:18	CH	EET MID

Client Sample ID: S-2 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 07:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 12:22	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:23	CH	EET MID

Client Sample ID: S-2 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 07:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 12:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:29	CH	EET MID

Client Sample ID: S-3 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-6
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			5.00 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 08:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 13:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:47	CH	EET MID

Client Sample ID: S-3 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 08:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 13:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-7
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			5.02 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 05:53	CH	EET MID

Client Sample ID: S-4 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-8
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			4.99 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 08:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 14:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 05:59	CH	EET MID

Client Sample ID: S-4 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-9
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			5.02 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 09:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 14:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		10			56126	06/23/23 06:05	CH	EET MID

Client Sample ID: S-4 (2')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-10
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			5.04 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 09:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 14:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		10			56105	06/23/23 02:46	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 11:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 02:52	CH	EET MID

Client Sample ID: S-5 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 11:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:09	CH	EET MID

Client Sample ID: S-5 (2')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 12:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 16:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		20			56105	06/23/23 03:15	CH	EET MID

Client Sample ID: S-6 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 12:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-14
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			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 17:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:33	CH	EET MID

Client Sample ID: S-6 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 13:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 17:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:39	CH	EET MID

Client Sample ID: S-7 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-16
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			5.01 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 13:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 17:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:44	CH	EET MID

Client Sample ID: S-7 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-17
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			4.96 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 14:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 18:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-29850-17

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:50	CH	EET MID

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

Lab Sample ID: 880-29850-18

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 14:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 18:49	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:56	CH	EET MID

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-29850-19

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 15:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 19:13	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 04:02	CH	EET MID

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

Lab Sample ID: 880-29850-20

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 15:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 19:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 04:08	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-29850-21

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 01:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 12:14	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 06:10	CH	EET MID

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

Lab Sample ID: 880-29850-22

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 02:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 13:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 06:16	CH	EET MID

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-29850-23

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 02:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 13:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 06:34	CH	EET MID

Client Sample ID: S-10 (2')

Lab Sample ID: 880-29850-24

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 03:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-10 (2')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-24
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			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 14:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 06:39	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
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	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29850-1	S-1 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-2	S-1 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-3	S-1 (2')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-4	S-2 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-5	S-2 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-6	S-3 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-7	S-3 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-8	S-4 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-9	S-4 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-10	S-4 (2')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-11	S-5 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-12	S-5 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-13	S-5 (2')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-14	S-6 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-15	S-6 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-16	S-7 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-17	S-7 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-18	S-8 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-19	S-8 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-20	S-9 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-21	S-9 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-22	S-10 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-23	S-10 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-24	S-10 (2')	Solid	06/21/23 00:00	06/21/23 15:47

Work Order No:

Page 1 of 3

Program: ☐ USI/PST ☐ PRP ☐ Rowfields ☐ RC ☐ perfund

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

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Work Order Comments

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

Project Name		Asio Otis Fed #3 (6.2 23)		Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number		2065		☐ Routine ☒ Rush		Pres. Code											
Project Location		Eddy County, New Mexico		Due Date		72 Hrs										Cool Cool MeOH Me	
Sampler's Name		FV														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 NaHSO ₄ . NABIS	
Received Intact:				Yes No		Thermometer ID										Na ₂ S ₂ O ₃ NaSO ₃	
Cooler Custody Seals				Yes No		Correction Factor										Zn Acetate+NaOH Zn	
Sample Custody Seals				Yes No		Temperature Reading										NaOH+Ascorbic Acid SAPC	
Total Containers						Corrected Temperature											
Sample Identification				Date		Time		Soil		Water		Grab/Comp		# of Cont		Sample Comments	
S-1 (0-1')				6/20/2023				X				G		1		462	
S-1 (1.5')				6/20/2023				X				G		1			
S-1 (2')				6/20/2023				X				G		1			
S-2 (0-1')				6/20/2023				X				G		1			
S-2 (1.5')				6/20/2023				X				G		1			
S-3 (0-1')				6/20/2023				X				G		1			
S-3 (1.5')				6/20/2023				X				G		1			
S-4 (0-1')				6/20/2023				X				G		1			
S-4 (1.5')				6/20/2023				X				G		1			
S-4 (2')				6/20/2023				X				G		1			

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Euremia Lucas	6-21-77	[Signature]	

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Work Order No:

Page 2 of 3

Page 2 of 3	
Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other ☐	

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

Project Name		Asio Otis Fed #3 (6.2 23)		Turn Around			ANALYSIS REQUEST										Preservative Codes		
Project Number		2065		☐ Routine ☒ Rush															
Project Location		Eddy County, New Mexico		Due Date		72 Hrs													
Sampler's Name:		FV																	
PO #																			
SAMPLE RECEIPT				Temp Blank.		Yes No													
Received Intact:				Yes No		Thermometer ID													
Cooler Custody Seals				Yes No N/A		Correction Factor													
Sample Custody Seals.				Yes No N/A		Temperature Reading													
Total Containers						Corrected Temperature													
Sample Identification				Date		Time		Soil		Water		Grab/Comp							
S-5 (0-1')				6/20/2023				X				G		1		X			
S-5 (1 5')				6/20/2023				X				G		1		X			
S-5 (2')				6/20/2023				X				G		1		X			
S-6 (0-1')				6/20/2023				X				G		1		X			
S-6 (1.5')				6/20/2023				X				G		1		X			
S-7 (0-1')				6/20/2023				X				G		1		X			
S-7 (1 5')				6/20/2023				X				G		1		X			
S-8 (0-1')				6/20/2023				X				G		1		X			
S-8 (1 5')				6/20/2023				X				G		1		X			
S-9 (0-1')				6/20/2023				X				G		1		X			

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	10-21-23 1547		

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Work Order No: 191850

Page 3 of 3

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

Project Name Asio Otis Fed #3 (6.2.23)		Turn Around		Pres. Code	
Project Number 2065		☐ Routine ☒ Rush			
Project Location Eddy County, New Mexico		Due Date 72 Hrs			
Sampler's Name FV					
PO #:					

SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No	
Received Intact:		Yes No		Thermometer ID					
Cooler Custody Seals		Yes No N/A		Correction Factor					
Sample Custody Seals		Yes No N/A		Temperature Reading					
Total Containers				Corrected Temperature					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	Parameters	# of Cont
S-9 (1.5')	6/20/2023		X		G	1	1
S-10 (0-1')	6/20/2023		X		G	1	1
S-10 (1.5')	6/20/2023		X		G	1	1
S-10 (2')	6/20/2023		X		G	1	1

ANALYSIS REQUEST		Preservative Codes	
		None NO	DI Water H ₂ O
		Cool Cool	MeOH Me
		HCL HC	HNO ₃ HN
		H ₂ SO ₄ H ₂	NaOH Na
		H ₃ PO ₄ HP	
		NaHSO ₄ NABIS	
		Na ₂ S ₂ O ₃ NaSO ₃	
		Zn Acetate+NaOH Zn	
		NaOH+Ascorbic Acid SAPC	

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

BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0	
------------	--	-----------------------------	--	----------------	--

Loc: 880		29850	
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Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
<i>Carmona</i>		6-21-23		<i>[Signature]</i>			
		1547					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29850-1
SDG Number: Eddy County, New Mexico

Login Number: 29850

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/26/2023 10:49:01 AM

JOB DESCRIPTION

Asio Otis Fed #3 (6.2.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-29849-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
6/26/2023 10:49:01 AM

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

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Laboratory Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*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.

GC Semi VOA

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

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: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Job ID: 880-29849-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-29849-1**

Receipt

The samples were received on 6/21/2023 3:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-29849-1), H-2 (0-0.5') (880-29849-2), H-3 (0-0.5') (880-29849-3), H-4 (0-0.5') (880-29849-4), H-5 (0-0.5') (880-29849-5), H-6 (0-0.5') (880-29849-6), H-7 (0-0.5') (880-29849-7), H-8 (0-0.5') (880-29849-8) and H-9 (0-0.5') (880-29849-9).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-56049/2-B), (MB 880-56049/5-B) and (MB 880-56050/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-56049 and analytical batch 880-56047 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-56098 and analytical batch 880-56145 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-5 (0-0.5') (880-29849-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-8 (0-0.5') (880-29849-8). 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 880-56145 recovered below the lower control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-56145/31).

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.

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-1

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/22/23 22:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
m-Xylene & p-Xylene	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
Xylenes, Total	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/22/23 08:58	06/22/23 22:08	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/22/23 08:58	06/22/23 22:08	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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/22/23 13:37	06/23/23 14:32	1
o-Terphenyl	80		70 - 130	06/22/23 13:37	06/23/23 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.2		4.96		mg/Kg			06/23/23 01:31	1

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

Lab Sample ID: 880-29849-2

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/22/23 22:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/22/23 22:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/22/23 08:58	06/22/23 22:29	1
1,4-Difluorobenzene (Surr)	75		70 - 130	06/22/23 08:58	06/22/23 22:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-2

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/22/23 13:37	06/23/23 14:55	1
o-Terphenyl	79		70 - 130				06/22/23 13:37	06/23/23 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.1		4.99		mg/Kg			06/23/23 01:48	1

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

Lab Sample ID: 880-29849-3

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/22/23 22:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
m-Xylene & p-Xylene	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
o-Xylene	<0.00198	U *1	0.00198		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
Xylenes, Total	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				06/22/23 08:58	06/22/23 22:49	1
1,4-Difluorobenzene (Surr)	82		70 - 130				06/22/23 08:58	06/22/23 22:49	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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 11:08	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	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 15:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 15:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-3

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/22/23 13:37	06/23/23 15:19	1
o-Terphenyl	91		70 - 130				06/22/23 13:37	06/23/23 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.5		5.02		mg/Kg			06/23/23 01:54	1

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

Lab Sample ID: 880-29849-4

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/22/23 23:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
o-Xylene	<0.00201	U * - *1	0.00201		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
Xylenes, Total	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/22/23 08:58	06/22/23 23:10	1
1,4-Difluorobenzene (Surr)	77		70 - 130				06/22/23 08:58	06/22/23 23:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/23 11:22	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			06/26/23 11:08	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	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 15:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 15:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/22/23 13:37	06/23/23 15:42	1
o-Terphenyl	91		70 - 130				06/22/23 13:37	06/23/23 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.7		5.03		mg/Kg			06/23/23 02:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-5

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/22/23 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
Xylenes, Total	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/22/23 08:58	06/22/23 23:30	1
1,4-Difluorobenzene (Surr)	82		70 - 130				06/22/23 08:58	06/22/23 23:30	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			06/23/23 11:22	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			06/26/23 11:08	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	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				06/22/23 13:37	06/23/23 16:06	1
o-Terphenyl	69	S1-	70 - 130				06/22/23 13:37	06/23/23 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.7		4.98		mg/Kg			06/23/23 02:05	1

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

Lab Sample ID: 880-29849-6

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/22/23 23:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
m-Xylene & p-Xylene	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
Xylenes, Total	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/22/23 08:58	06/22/23 23:51	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/22/23 08:58	06/22/23 23:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-6

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 11:08	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	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 16:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 16:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/22/23 13:37	06/23/23 16:30	1
o-Terphenyl	79		70 - 130				06/22/23 13:37	06/23/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.6		4.99		mg/Kg			06/23/23 02:23	1

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

Lab Sample ID: 880-29849-7

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/23/23 00:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				06/22/23 08:58	06/23/23 00:12	1
1,4-Difluorobenzene (Surr)	78		70 - 130				06/22/23 08:58	06/23/23 00:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-7

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 13:37	06/23/23 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/22/23 13:37	06/23/23 17:34	1
o-Terphenyl	87		70 - 130				06/22/23 13:37	06/23/23 17:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		4.99		mg/Kg			06/23/23 02:29	1

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

Lab Sample ID: 880-29849-8

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/23/23 00:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
o-Xylene	<0.00199	U * - *1	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				06/22/23 08:58	06/23/23 00:32	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/22/23 08:58	06/23/23 00:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				06/22/23 13:37	06/23/23 17:58	1
o-Terphenyl	63	S1-	70 - 130				06/22/23 13:37	06/23/23 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		5.00		mg/Kg			06/23/23 02:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-9

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:58	06/23/23 00:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
m-Xylene & p-Xylene	<0.00400	U *1	0.00400		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
Xylenes, Total	<0.00400	U *1	0.00400		mg/Kg		06/22/23 08:58	06/23/23 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/22/23 08:58	06/23/23 00:53	1
1,4-Difluorobenzene (Surr)	79		70 - 130	06/22/23 08:58	06/23/23 00:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/23/23 11:22	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			06/26/23 11:08	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	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 18:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/22/23 13:37	06/23/23 18:22	1
o-Terphenyl	78		70 - 130	06/22/23 13:37	06/23/23 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.9		5.01		mg/Kg			06/23/23 02:40	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
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)
880-29849-1	H-1 (0-0.5')	84	82
880-29849-1 MS	H-1 (0-0.5')	106	109
880-29849-1 MSD	H-1 (0-0.5')	100	106
880-29849-2	H-2 (0-0.5')	87	75
880-29849-3	H-3 (0-0.5')	87	82
880-29849-4	H-4 (0-0.5')	88	77
880-29849-5	H-5 (0-0.5')	90	82
880-29849-6	H-6 (0-0.5')	89	80
880-29849-7	H-7 (0-0.5')	85	78
880-29849-8	H-8 (0-0.5')	86	79
880-29849-9	H-9 (0-0.5')	86	79
LCS 880-56049/1-B	Lab Control Sample	101	113
LCSD 880-56049/2-B	Lab Control Sample Dup	60 S1-	113
MB 880-56049/5-B	Method Blank	67 S1-	99
MB 880-56050/5-A	Method Blank	65 S1-	100
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)
880-29849-1	H-1 (0-0.5')	91	80
880-29849-2	H-2 (0-0.5')	91	79
880-29849-3	H-3 (0-0.5')	106	91
880-29849-4	H-4 (0-0.5')	106	91
880-29849-5	H-5 (0-0.5')	80	69 S1-
880-29849-6	H-6 (0-0.5')	95	79
880-29849-7	H-7 (0-0.5')	103	87
880-29849-8	H-8 (0-0.5')	76	63 S1-
880-29849-9	H-9 (0-0.5')	98	78
880-29850-A-21-E MS	Matrix Spike	120	99
880-29850-A-21-F MSD	Matrix Spike Duplicate	120	99
LCS 880-56098/2-A	Lab Control Sample	113	101
LCSD 880-56098/3-A	Lab Control Sample Dup	106	95
MB 880-56098/1-A	Method Blank	143 S1+	133 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56049/5-B							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 56047							Prep Batch: 56049		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130				06/22/23 08:58	06/22/23 21:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/22/23 08:58	06/22/23 21:46	1

Lab Sample ID: LCS 880-56049/1-B							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 56047							Prep Batch: 56049		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1158		mg/Kg		116	70 - 130		
Toluene	0.100	0.1027		mg/Kg		103	70 - 130		
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130		
o-Xylene	0.100	0.1005		mg/Kg		100	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	113		70 - 130						

Lab Sample ID: LCSD 880-56049/2-B						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 56047						Prep Batch: 56049					
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD		
						Limits	Limits	Limits	Limits		
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	5	35		
Toluene	0.100	0.09141		mg/Kg		91	70 - 130	12	35		
Ethylbenzene	0.100	0.07666		mg/Kg		77	70 - 130	27	35		
m-Xylene & p-Xylene	0.200	0.1420	*1	mg/Kg		71	70 - 130	37	35		
o-Xylene	0.100	0.06671	*- *1	mg/Kg		67	70 - 130	40	35		
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130								
1,4-Difluorobenzene (Surr)	113		70 - 130								

Lab Sample ID: 880-29849-1 MS							Client Sample ID: H-1 (0-0.5')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 56047							Prep Batch: 56049		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1115		mg/Kg		112	70 - 130
Toluene	<0.00202	U	0.0996	0.09417		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-1 MS
Matrix: Solid
Analysis Batch: 56047

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09343		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00403	U *1	0.199	0.1831		mg/Kg		92	70 - 130
o-Xylene	<0.00202	U *- *1	0.0996	0.09145		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	109		70 - 130						

Lab Sample ID: 880-29849-1 MSD
Matrix: Solid
Analysis Batch: 56047

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1071		mg/Kg		108	70 - 130	4	35
Toluene	<0.00202	U	0.0990	0.09186		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0990	0.08794		mg/Kg		89	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U *1	0.198	0.1726		mg/Kg		87	70 - 130	6	35
o-Xylene	<0.00202	U *- *1	0.0990	0.08592		mg/Kg		87	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								

Lab Sample ID: MB 880-56050/5-A
Matrix: Solid
Analysis Batch: 56047

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

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

Lab Sample ID: MB 880-56098/1-A
Matrix: Solid
Analysis Batch: 56145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-56098/1-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56098

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	143	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1
o-Terphenyl	133	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1

Lab Sample ID: LCS 880-56098/2-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	909.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	943.2		mg/Kg		94	70 - 130		
Surrogate	LCS	LCS	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	101		70 - 130						

Lab Sample ID: LCSD 880-56098/3-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	989.2		mg/Kg		99	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	968.7		mg/Kg		97	70 - 130	3	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-29850-A-21-E MS

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1044		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1017		mg/Kg		97	70 - 130		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	120		70 - 130								
o-Terphenyl	99		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-A-21-F MSD

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56098

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	998	1018		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1034		mg/Kg		99	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	99		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56030/1-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/23/23 01:13	1

Lab Sample ID: LCS 880-56030/2-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56030/3-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.5		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-29849-1 MS

Matrix: Solid

Analysis Batch: 56105

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.2		248	279.7		mg/Kg		95	90 - 110

Lab Sample ID: 880-29849-1 MSD

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: H-1 (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	43.2		248	279.6		mg/Kg		95	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 56047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8021B	56049
MB 880-56049/5-B	Method Blank	Total/NA	Solid	8021B	56049
MB 880-56050/5-A	Method Blank	Total/NA	Solid	8021B	56050
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	8021B	56049
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	56049
880-29849-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	56049

Prep Batch: 56049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	5035	
MB 880-56049/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29849-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-29849-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 56050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56050/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 56190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 56098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29850-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29850-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	56098
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015B NM	56098
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56098
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56098
880-29850-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	56098
880-29850-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56098

Analysis Batch: 56341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 56030 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-56030/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29849-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 56105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-2	H-2 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-3	H-3 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-4	H-4 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-5	H-5 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-6	H-6 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-7	H-7 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-8	H-8 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-9	H-9 (0-0.5')	Soluble	Solid	300.0	56030
MB 880-56030/1-A	Method Blank	Soluble	Solid	300.0	56030
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	300.0	56030
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56030
880-29849-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	56030

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-1

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 22:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 14:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 01:31	CH	EET MID

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

Lab Sample ID: 880-29849-2

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 22:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 14:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 01:48	CH	EET MID

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

Lab Sample ID: 880-29849-3

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 22:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 15:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 01:54	CH	EET MID

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

Lab Sample ID: 880-29849-4

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 23:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-4

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 15:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:00	CH	EET MID

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

Lab Sample ID: 880-29849-5

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 23:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 16:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:05	CH	EET MID

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

Lab Sample ID: 880-29849-6

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 23:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:23	CH	EET MID

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

Lab Sample ID: 880-29849-7

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 00:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 17:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 06/20/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29849-7
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			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:29	CH	EET MID

Client Sample ID: H-8 (0-0.5')
Date Collected: 06/20/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29849-8
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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 00:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 17:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:35	CH	EET MID

Client Sample ID: H-9 (0-0.5')
Date Collected: 06/20/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29849-9
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			5.00 g	5 mL	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 00:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 18:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:40	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
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	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
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Method Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29849-1	H-1 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-2	H-2 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-3	H-3 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-4	H-4 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-5	H-5 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-6	H-6 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-7	H-7 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-8	H-8 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-9	H-9 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47

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Work Order No: 21849

Page 1 of 1

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

Project Name Asio Otis Fed #3 (6.2.23)		Turn Around Routine ☐ Rush ☒	
Project Number 2065		Due Date 72 Hrs	
Project Location Eddy County, New Mexico		Due Date 72 Hrs	
Sampler's Name FV		Due Date 72 Hrs	

Temp Blank Yes ☒ No ☐		Wet Ice Yes ☒ No ☐	
Thermometer ID Yes ☒ No ☐		Thermometer ID Yes ☒ No ☐	
Cooler Custody Seals Yes ☒ No ☐		Correction Factor Yes ☒ No ☐	
Sample Custody Seals Yes ☒ No ☐		Temperature Reading Yes ☒ No ☐	
Total Containers Yes ☒ No ☐		Corrected Temperature Yes ☒ No ☐	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
H-1 (0-0.5')	6/20/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)			None NO	DI Water H ₂ O
H-2 (0-0.5')	6/20/2023		X		G	1				Cool Cool	MeOH Me
H-3 (0-0.5')	6/20/2023		X		G	1				HCL HC	HNO ₃ HN
H-4 (0-0.5')	6/20/2023		X		G	1				H ₂ SO ₄ H ₂	NaOH Na
H-5 (0-0.5')	6/20/2023		X		G	1				H ₃ PO ₄ HP	
H-6 (0-0.5')	6/20/2023		X		G	1				NaHSO ₄ NABIS	
H-7 (0-0.5')	6/20/2023		X		G	1				Na ₂ S ₂ O ₃ NaSO ₃	
H-8 (0-0.5')	6/20/2023		X		G	1				Zn Acetate+NaOH Zn	
H-9 (0-0.5')	6/20/2023		X		G	1				NaOH+Ascorbic Acid SAPC	



880-29849 Chain of Custody

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

Relinquished by (Signature) <i>Mike Carmona</i>		Date/Time 6-21-23
Received by (Signature) <i>Conner Moehring</i>		Date/Time 6-21-23

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29849-1
SDG Number: Eddy County, New Mexico

Login Number: 29849

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/27/2023 2:48:56 PM

JOB DESCRIPTION

Asio Otis Fed #3 (6.2.23)
Eddy County, New Mexico

JOB NUMBER

880-35980-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

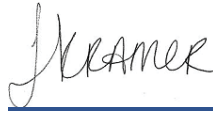
Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/27/2023 2:48:56 PM

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

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Laboratory Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Job ID: 880-35980-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-35980-1**

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 11/17/2023 4:43 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 -8.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-35980-1), T-1 (1.5') (880-35980-2), T-1 (2') (880-35980-3), T-1 (3') (880-35980-4), T-1 (4') (880-35980-5), T-2 (0-1') (880-35980-6), T-2 (1.5') (880-35980-7), T-2 (2') (880-35980-8), T-2 (3') (880-35980-9), T-2 (4') (880-35980-10), T-3 (0-1') (880-35980-11), T-3 (1.5') (880-35980-12), T-3 (2') (880-35980-13), T-3 (3') (880-35980-14), T-3 (4') (880-35980-15), T-4 (0-1') (880-35980-16), T-4 (1.5') (880-35980-17), T-4 (2') (880-35980-18), T-4 (3') (880-35980-19), T-4 (4') (880-35980-20), T-5 (0-1') (880-35980-21), T-5 (1.5') (880-35980-22), T-5 (2') (880-35980-23), T-5 (3') (880-35980-24), T-5 (4') (880-35980-25), T-6 (0-1') (880-35980-26), T-6 (1.5') (880-35980-27), T-6 (2') (880-35980-28), T-6 (3') (880-35980-29), T-6 (4') (880-35980-30), T-7 (0-1') (880-35980-31), T-7 (1.5') (880-35980-32), T-7 (2') (880-35980-33), T-7 (3') (880-35980-34), T-7 (4') (880-35980-35), T-7 (5') (880-35980-36), T-7 (6') (880-35980-37), T-7 (7') (880-35980-38), T-8 (8') (880-35980-39), T-8 (0-1') (880-35980-40), T-8 (1.5') (880-35980-41), T-8 (2') (880-35980-42), T-8 (3') (880-35980-43), T-8 (4') (880-35980-44), T-9 (0-1') (880-35980-45), T-9 (1.5') (880-35980-46), T-9 (2') (880-35980-47), T-9 (3') (880-35980-48), T-9 (4') (880-35980-49), T-10 (0-1') (880-35980-50), T-10 (1.5') (880-35980-51), T-10 (2') (880-35980-52), T-10 (3') (880-35980-53) and T-10 (4') (880-35980-54).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67387 and analytical batch 880-67369 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (2') (880-35980-3), T-1 (3') (880-35980-4), T-2 (2') (880-35980-8), T-4 (1.5') (880-35980-17) and T-4 (3') (880-35980-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67371 and analytical batch 880-67369 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-67369 recovered above the upper control limit for m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-67369/20).

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (0-1') (880-35980-21), T-5 (1.5') (880-35980-22), T-5 (2') (880-35980-23), T-5 (3') (880-35980-24), T-5 (4') (880-35980-25), T-6 (0-1') (880-35980-26), T-6 (1.5') (880-35980-27), T-6 (2') (880-35980-28), T-6 (3') (880-35980-29), T-6 (4') (880-35980-30), T-7 (0-1') (880-35980-31), T-7 (1.5') (880-35980-32), T-7 (2') (880-35980-33), T-7 (3') (880-35980-34), T-7 (4') (880-35980-35), T-7 (5') (880-35980-36), T-7 (6') (880-35980-37), T-7 (7') (880-35980-38), T-8 (8') (880-35980-39), T-8 (0-1') (880-35980-40), (CCV 880-67530/2), (CCV 880-67530/20), (CCV 880-67530/33), (LCS 880-67386/1-A), (LCSD 880-67386/2-A), (MB 880-67386/5-A), (880-35980-A-21-A MS) and (880-35980-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Job ID: 880-35980-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-67386 and analytical batch 880-67530 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-67473 and analytical batch 880-67601 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-7 (7') (880-35980-38), T-8 (1.5') (880-35980-41), T-9 (0-1') (880-35980-45), T-9 (1.5') (880-35980-46), T-9 (2') (880-35980-47), (880-35980-A-38-D MS) and (880-35980-A-38-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-9 (3') (880-35980-48), T-10 (1.5') (880-35980-51), T-10 (2') (880-35980-52) and T-10 (3') (880-35980-53). 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 880-67473 and analytical batch 880-67601 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-67472 and analytical batch 880-67603 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67433 and 880-67433 and analytical batch 880-67593 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: T-5 (0-1') (880-35980-21), T-5 (1.5') (880-35980-22), T-5 (2') (880-35980-23), T-5 (3') (880-35980-24), T-5 (4') (880-35980-25), T-6 (0-1') (880-35980-26), T-6 (1.5') (880-35980-27), T-6 (2') (880-35980-28), T-6 (3') (880-35980-29), T-6 (4') (880-35980-30), (880-35980-A-21-E MS) and (880-35980-A-21-F MSD).

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: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-1

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	11/20/23 10:58	11/20/23 23:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130	11/20/23 10:58	11/20/23 23:08	1

Method: TAL SOP 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			11/20/23 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/22/23 12:47	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	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 12:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 12:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	11/20/23 15:44	11/22/23 12:47	1
o-Terphenyl	109		70 - 130	11/20/23 15:44	11/22/23 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		50.2		mg/Kg			11/20/23 21:59	10

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-35980-2

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/20/23 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/20/23 10:58	11/20/23 23:29	1
1,4-Difluorobenzene (Surr)	71		70 - 130	11/20/23 10:58	11/20/23 23:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-35980-2

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/23 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/20/23 15:44	11/22/23 13:09	1
o-Terphenyl	113		70 - 130				11/20/23 15:44	11/22/23 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		50.5		mg/Kg			11/20/23 22:18	10

Client Sample ID: T-1 (2')

Lab Sample ID: 880-35980-3

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/20/23 10:58	11/20/23 23:49	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				11/20/23 10:58	11/20/23 23:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/23 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 15:44	11/22/23 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:44	11/22/23 13:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-35980-3

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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		11/20/23 15:44	11/22/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/20/23 15:44	11/22/23 13:32	1
o-Terphenyl	106		70 - 130				11/20/23 15:44	11/22/23 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	790		4.97		mg/Kg			11/20/23 22:25	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-35980-4

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				11/20/23 10:58	11/21/23 00:09	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130				11/20/23 10:58	11/21/23 00:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 13:54	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		11/20/23 15:44	11/22/23 13:54	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 13:54	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				11/20/23 15:44	11/22/23 13:54	1
o-Terphenyl	100		70 - 130				11/20/23 15:44	11/22/23 13:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	685		4.95		mg/Kg			11/20/23 22:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-35980-5

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	11/20/23 10:58	11/21/23 00:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/20/23 10:58	11/21/23 00:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 00:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/22/23 14:16	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	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 14:16	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	11/20/23 15:44	11/22/23 14:16	1
o-Terphenyl	89		70 - 130	11/20/23 15:44	11/22/23 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.04		mg/Kg			11/20/23 22:38	1

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

Lab Sample ID: 880-35980-6

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	11/20/23 10:58	11/21/23 00:50	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 10:58	11/21/23 00:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-6

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 00:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 14:38	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		11/20/23 15:44	11/22/23 14:38	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 14:38	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/20/23 15:44	11/22/23 14:38	1
o-Terphenyl	104		70 - 130				11/20/23 15:44	11/22/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4010		101		mg/Kg			11/20/23 22:58	20

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35980-7

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				11/20/23 10:58	11/21/23 01:11	1
1,4-Difluorobenzene (Surr)	84		70 - 130				11/20/23 10:58	11/21/23 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 15:01	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		11/20/23 15:44	11/22/23 15:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35980-7

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/20/23 15:44	11/22/23 15:01	1
o-Terphenyl	113		70 - 130				11/20/23 15:44	11/22/23 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	687		50.3		mg/Kg			11/20/23 23:04	10

Client Sample ID: T-2 (2')

Lab Sample ID: 880-35980-8

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/20/23 10:58	11/21/23 01:31	1
1,4-Difluorobenzene (Surr)	70		70 - 130				11/20/23 10:58	11/21/23 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 01:31	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			11/22/23 15:45	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	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:45	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:45	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				11/20/23 15:44	11/22/23 15:45	1
o-Terphenyl	108		70 - 130				11/20/23 15:44	11/22/23 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	467		4.99		mg/Kg			11/20/23 23:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-35980-9

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/20/23 10:58	11/21/23 01:52	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/20/23 10:58	11/21/23 01:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 16:07	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		11/20/23 15:44	11/22/23 16:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	11/20/23 15:44	11/22/23 16:07	1
o-Terphenyl	97		70 - 130	11/20/23 15:44	11/22/23 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		4.99		mg/Kg			11/20/23 23:17	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-35980-10

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 10:58	11/21/23 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/20/23 10:58	11/21/23 02:12	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/20/23 10:58	11/21/23 02:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-35980-10

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/21/23 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.0		49.7		mg/Kg			11/22/23 16:30	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	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 16:30	1
Diesel Range Organics (Over C10-C28)	54.0		49.7		mg/Kg		11/20/23 15:44	11/22/23 16:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/20/23 15:44	11/22/23 16:30	1
o-Terphenyl	112		70 - 130				11/20/23 15:44	11/22/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		5.01		mg/Kg			11/20/23 23:24	1

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

Lab Sample ID: 880-35980-11

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				11/20/23 10:58	11/21/23 03:34	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 10:58	11/21/23 03:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/21/23 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 16:52	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		11/20/23 15:44	11/22/23 16:52	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-11

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				11/20/23 15:44	11/22/23 16:52	1
o-Terphenyl	102		70 - 130				11/20/23 15:44	11/22/23 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		101		mg/Kg			11/20/23 23:31	20

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-35980-12

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				11/20/23 10:58	11/21/23 03:55	1
1,4-Difluorobenzene (Surr)	95		70 - 130				11/20/23 10:58	11/21/23 03:55	1

Method: TAL SOP 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			11/21/23 03:55	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			11/22/23 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/20/23 15:44	11/22/23 17:15	1
o-Terphenyl	111		70 - 130				11/20/23 15:44	11/22/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	495		50.0		mg/Kg			11/20/23 23:50	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-35980-13

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/20/23 10:58	11/21/23 04:15	1
1,4-Difluorobenzene (Surr)	71		70 - 130	11/20/23 10:58	11/21/23 04:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 04:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 17:36	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		11/20/23 15:44	11/22/23 17:36	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 17:36	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	11/20/23 15:44	11/22/23 17:36	1
o-Terphenyl	103		70 - 130	11/20/23 15:44	11/22/23 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	374		5.01		mg/Kg			11/20/23 23:57	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-35980-14

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	11/20/23 10:58	11/21/23 04:36	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 10:58	11/21/23 04:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-35980-14

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 04:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/22/23 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 17:58	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 17:58	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/20/23 15:44	11/22/23 17:58	1
o-Terphenyl	112		70 - 130				11/20/23 15:44	11/22/23 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		5.04		mg/Kg			11/21/23 15:43	1

Client Sample ID: T-3 (4')

Lab Sample ID: 880-35980-15

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				11/20/23 10:58	11/21/23 04:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130				11/20/23 10:58	11/21/23 04:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 04:56	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			11/22/23 18:21	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		11/20/23 15:44	11/22/23 18:21	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 18:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (4')

Lab Sample ID: 880-35980-15

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/20/23 15:44	11/22/23 18:21	1
o-Terphenyl	105		70 - 130				11/20/23 15:44	11/22/23 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.5		4.95		mg/Kg			11/21/23 15:49	1

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-35980-16

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				11/20/23 10:58	11/21/23 05:17	1
1,4-Difluorobenzene (Surr)	76		70 - 130				11/20/23 10:58	11/21/23 05:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 18:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/20/23 15:44	11/22/23 18:42	1
o-Terphenyl	102		70 - 130				11/20/23 15:44	11/22/23 18:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15000		248		mg/Kg			11/21/23 15:56	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-35980-17

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/20/23 10:58	11/21/23 05:37	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130	11/20/23 10:58	11/21/23 05:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/21/23 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/22/23 19:04	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		11/20/23 15:44	11/22/23 19:04	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 19:04	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/20/23 15:44	11/22/23 19:04	1
o-Terphenyl	100		70 - 130	11/20/23 15:44	11/22/23 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		50.3		mg/Kg			11/21/23 16:02	10

Client Sample ID: T-4 (2')

Lab Sample ID: 880-35980-18

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	11/20/23 10:58	11/21/23 05:57	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/20/23 10:58	11/21/23 05:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (2')

Lab Sample ID: 880-35980-18

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 05:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 20:55	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		11/20/23 15:48	11/22/23 20:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U F1	49.6		mg/Kg		11/20/23 15:48	11/22/23 20:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/20/23 15:48	11/22/23 20:55	1
o-Terphenyl	95		70 - 130				11/20/23 15:48	11/22/23 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		4.95		mg/Kg			11/21/23 16:09	1

Client Sample ID: T-4 (3')

Lab Sample ID: 880-35980-19

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				11/20/23 10:58	11/21/23 06:18	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				11/20/23 10:58	11/21/23 06:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 06:18	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			11/22/23 22:02	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	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/22/23 22:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/22/23 22:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (3')

Lab Sample ID: 880-35980-19

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/22/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/20/23 15:48	11/22/23 22:02	1
o-Terphenyl	97		70 - 130				11/20/23 15:48	11/22/23 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.5		4.99		mg/Kg			11/21/23 16:15	1

Client Sample ID: T-4 (4')

Lab Sample ID: 880-35980-20

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				11/20/23 10:58	11/21/23 06:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/20/23 10:58	11/21/23 06:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 06:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/22/23 22:25	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	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/22/23 22:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/22/23 22:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/22/23 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/20/23 15:48	11/22/23 22:25	1
o-Terphenyl	92		70 - 130				11/20/23 15:48	11/22/23 22:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.4		4.95		mg/Kg			11/21/23 16:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-35980-21

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1 F2	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
Toluene	<0.00198	U F1 F2	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
m-Xylene & p-Xylene	<0.00396	U F1	0.00396		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		11/20/23 11:03	11/21/23 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	333	S1+	70 - 130	11/20/23 11:03	11/21/23 12:49	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/20/23 11:03	11/21/23 12:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 22:46	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	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/22/23 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/22/23 22:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/22/23 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	11/20/23 15:48	11/22/23 22:46	1
o-Terphenyl	111		70 - 130	11/20/23 15:48	11/22/23 22:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12700	F1	252		mg/Kg			11/21/23 23:58	50

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-35980-22

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	309	S1+	70 - 130	11/20/23 11:03	11/21/23 13:16	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 11:03	11/21/23 13:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-35980-22

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 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	<49.6	U	49.6		mg/Kg			11/22/23 23:07	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		11/20/23 15:48	11/22/23 23:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 23:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				11/20/23 15:48	11/22/23 23:07	1
o-Terphenyl	113		70 - 130				11/20/23 15:48	11/22/23 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4530		101		mg/Kg			11/22/23 00:18	20

Client Sample ID: T-5 (2')

Lab Sample ID: 880-35980-23

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	308	S1+	70 - 130				11/20/23 11:03	11/21/23 13:42	1
1,4-Difluorobenzene (Surr)	71		70 - 130				11/20/23 11:03	11/21/23 13:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 23:28	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	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 23:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/20/23 15:48	11/22/23 23:28	1
o-Terphenyl	108		70 - 130				11/20/23 15:48	11/22/23 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4000		99.0		mg/Kg			11/22/23 00:24	20

Client Sample ID: T-5 (3')

Lab Sample ID: 880-35980-24

Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	352	S1+	70 - 130				11/20/23 11:03	11/21/23 14:09	1
1,4-Difluorobenzene (Surr)	83		70 - 130				11/20/23 11:03	11/21/23 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/21/23 14:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/22/23 23:49	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	<49.8	U	49.8		mg/Kg		11/20/23 15:48	11/22/23 23:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/20/23 15:48	11/22/23 23:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/20/23 15:48	11/22/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/20/23 15:48	11/22/23 23:49	1
o-Terphenyl	107		70 - 130				11/20/23 15:48	11/22/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		25.0		mg/Kg			11/22/23 00:31	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (4')

Lab Sample ID: 880-35980-25

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 14:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	305	S1+	70 - 130	11/20/23 11:03	11/21/23 14:35	1
1,4-Difluorobenzene (Surr)	72		70 - 130	11/20/23 11:03	11/21/23 14:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.6		49.9		mg/Kg			11/23/23 00:10	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	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 00:10	1
Diesel Range Organics (Over C10-C28)	64.6		49.9		mg/Kg		11/20/23 15:48	11/23/23 00:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	11/20/23 15:48	11/23/23 00:10	1
o-Terphenyl	127		70 - 130	11/20/23 15:48	11/23/23 00:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		5.02		mg/Kg			11/22/23 00:37	1

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-35980-26

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	334	S1+	70 - 130	11/20/23 11:03	11/21/23 15:01	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/20/23 11:03	11/21/23 15:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-35980-26

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			11/23/23 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		11/20/23 15:48	11/23/23 00:32	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		11/20/23 15:48	11/23/23 00:32	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		11/20/23 15:48	11/23/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/20/23 15:48	11/23/23 00:32	1
o-Terphenyl	108		70 - 130				11/20/23 15:48	11/23/23 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18000		252		mg/Kg			11/22/23 00:57	50

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-35980-27

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	350	S1+	70 - 130				11/20/23 11:03	11/21/23 15:28	1
1,4-Difluorobenzene (Surr)	83		70 - 130				11/20/23 11:03	11/21/23 15:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/23/23 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 00:53	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 00:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-35980-27

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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		11/20/23 15:48	11/23/23 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/20/23 15:48	11/23/23 00:53	1
o-Terphenyl	104		70 - 130				11/20/23 15:48	11/23/23 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8040		100		mg/Kg			11/22/23 01:04	20

Client Sample ID: T-6 (2')

Lab Sample ID: 880-35980-28

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	370	S1+	70 - 130				11/20/23 11:03	11/21/23 15:54	1
1,4-Difluorobenzene (Surr)	91		70 - 130				11/20/23 11:03	11/21/23 15:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/23/23 01:36	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	50.1		mg/Kg		11/20/23 15:48	11/23/23 01:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 15:48	11/23/23 01:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 15:48	11/23/23 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/20/23 15:48	11/23/23 01:36	1
o-Terphenyl	109		70 - 130				11/20/23 15:48	11/23/23 01:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3720		99.0		mg/Kg			11/22/23 01:10	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-35980-29

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	318	S1+	70 - 130	11/20/23 11:03	11/21/23 16:21	1
1,4-Difluorobenzene (Surr)	75		70 - 130	11/20/23 11:03	11/21/23 16:21	1

Method: TAL SOP 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			11/21/23 16:21	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			11/23/23 01:57	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		11/20/23 15:48	11/23/23 01:57	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 15:48	11/23/23 01:57	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:48	11/23/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/20/23 15:48	11/23/23 01:57	1
o-Terphenyl	105		70 - 130	11/20/23 15:48	11/23/23 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		24.8		mg/Kg			11/22/23 01:17	5

Client Sample ID: T-6 (4')

Lab Sample ID: 880-35980-30

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	293	S1+	70 - 130	11/20/23 11:03	11/21/23 16:47	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/20/23 11:03	11/21/23 16:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (4')

Lab Sample ID: 880-35980-30

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/23/23 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/23/23 02:19	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/23/23 02:19	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/23/23 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/20/23 15:48	11/23/23 02:19	1
o-Terphenyl	106		70 - 130				11/20/23 15:48	11/23/23 02:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		5.03		mg/Kg			11/22/23 01:23	1

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-35980-31

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	370	S1+	70 - 130				11/20/23 11:03	11/21/23 18:33	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 11:03	11/21/23 18:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/23/23 02:41	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		11/20/23 15:48	11/23/23 02:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/23/23 02:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-31
Matrix: Solid

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)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/23/23 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/20/23 15:48	11/23/23 02:41	1
o-Terphenyl	105		70 - 130				11/20/23 15:48	11/23/23 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6240		101		mg/Kg			11/22/23 01:30	20

Client Sample ID: T-7 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-32
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	367	S1+	70 - 130				11/20/23 11:03	11/21/23 18:59	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 11:03	11/21/23 18:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/21/23 18:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/23/23 03:02	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	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 03:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 03:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				11/20/23 15:48	11/23/23 03:02	1
o-Terphenyl	107		70 - 130				11/20/23 15:48	11/23/23 03:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5890		100		mg/Kg			11/22/23 01:50	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (2')

Lab Sample ID: 880-35980-33

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	331	S1+	70 - 130	11/20/23 11:03	11/21/23 19:25	1
1,4-Difluorobenzene (Surr)	85		70 - 130	11/20/23 11:03	11/21/23 19:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/23/23 03:24	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		11/20/23 15:48	11/23/23 03:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/23/23 03:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/23/23 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	11/20/23 15:48	11/23/23 03:24	1
o-Terphenyl	108		70 - 130	11/20/23 15:48	11/23/23 03:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7640		99.0		mg/Kg			11/22/23 01:56	20

Client Sample ID: T-7 (3')

Lab Sample ID: 880-35980-34

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	360	S1+	70 - 130	11/20/23 11:03	11/21/23 19:52	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 11:03	11/21/23 19:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (3')

Lab Sample ID: 880-35980-34

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 19:52	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			11/23/23 03:46	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	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 03:46	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 03:46	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/20/23 15:48	11/23/23 03:46	1
o-Terphenyl	100		70 - 130				11/20/23 15:48	11/23/23 03:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		50.2		mg/Kg			11/22/23 02:16	10

Client Sample ID: T-7 (4')

Lab Sample ID: 880-35980-35

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	367	S1+	70 - 130				11/20/23 11:03	11/21/23 20:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/20/23 11:03	11/21/23 20:18	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			11/21/23 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/23/23 04:08	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	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 04:08	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 04:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-35
Matrix: Solid

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		11/20/23 15:48	11/23/23 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				11/20/23 15:48	11/23/23 04:08	1
o-Terphenyl	100		70 - 130				11/20/23 15:48	11/23/23 04:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		50.5		mg/Kg			11/22/23 02:22	10

Client Sample ID: T-7 (5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-36
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	313	S1+	70 - 130				11/20/23 11:03	11/21/23 20:45	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 11:03	11/21/23 20:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 20:45	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			11/23/23 04:29	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		11/20/23 15:48	11/23/23 04:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 04:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				11/20/23 15:48	11/23/23 04:29	1
o-Terphenyl	99		70 - 130				11/20/23 15:48	11/23/23 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3570		49.7		mg/Kg			11/22/23 02:29	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (6')

Lab Sample ID: 880-35980-37

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	300	S1+	70 - 130	11/20/23 11:03	11/21/23 21:12	1
1,4-Difluorobenzene (Surr)	80		70 - 130	11/20/23 11:03	11/21/23 21:12	1

Method: TAL SOP 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			11/21/23 21:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/23/23 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/23/23 04:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/23/23 04:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/23/23 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	11/20/23 15:48	11/23/23 04:51	1
o-Terphenyl	93		70 - 130	11/20/23 15:48	11/23/23 04:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	843		25.1		mg/Kg			11/22/23 02:35	5

Client Sample ID: T-7 (7')

Lab Sample ID: 880-35980-38

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	302	S1+	70 - 130	11/20/23 11:03	11/21/23 21:39	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/20/23 11:03	11/21/23 21:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (7')

Lab Sample ID: 880-35980-38

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/21/23 21:39	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			11/22/23 20:55	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		11/20/23 15:52	11/22/23 20:55	1
Diesel Range Organics (Over C10-C28)	<50.4	U F1	50.4		mg/Kg		11/20/23 15:52	11/22/23 20:55	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:52	11/22/23 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				11/20/23 15:52	11/22/23 20:55	1
o-Terphenyl	120		70 - 130				11/20/23 15:52	11/22/23 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3620		99.6		mg/Kg			11/22/23 02:42	20

Client Sample ID: T-8 (8')

Lab Sample ID: 880-35980-39

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	477	S1+	70 - 130				11/20/23 11:03	11/21/23 22:06	1
1,4-Difluorobenzene (Surr)	128		70 - 130				11/20/23 11:03	11/21/23 22:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 22:02	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	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/22/23 22:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/22/23 22:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (8')

Lab Sample ID: 880-35980-39

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/22/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				11/20/23 15:52	11/22/23 22:02	1
o-Terphenyl	117		70 - 130				11/20/23 15:52	11/22/23 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.1		4.95		mg/Kg			11/22/23 02:49	1

Client Sample ID: T-8 (0-1')

Lab Sample ID: 880-35980-40

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	338	S1+	70 - 130				11/20/23 11:03	11/21/23 22:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130				11/20/23 11:03	11/21/23 22:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 22:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 22:25	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	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 22:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 22:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				11/20/23 15:52	11/22/23 22:25	1
o-Terphenyl	105		70 - 130				11/20/23 15:52	11/22/23 22:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7690		99.8		mg/Kg			11/22/23 02:55	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-35980-41

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 01:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/20/23 11:06	11/21/23 01:02	1
1,4-Difluorobenzene (Surr)	112		70 - 130	11/20/23 11:06	11/21/23 01:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 22:46	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	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 22:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	11/20/23 15:52	11/22/23 22:46	1
o-Terphenyl	115		70 - 130	11/20/23 15:52	11/22/23 22:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		50.5		mg/Kg			11/21/23 05:38	10

Client Sample ID: T-8 (2')

Lab Sample ID: 880-35980-42

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/20/23 11:06	11/21/23 01:22	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/20/23 11:06	11/21/23 01:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (2')

Lab Sample ID: 880-35980-42

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 01:22	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			11/22/23 23:07	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		11/20/23 15:52	11/22/23 23:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/22/23 23:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/22/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				11/20/23 15:52	11/22/23 23:07	1
o-Terphenyl	112		70 - 130				11/20/23 15:52	11/22/23 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	352		5.00		mg/Kg			11/21/23 05:58	1

Client Sample ID: T-8 (3')

Lab Sample ID: 880-35980-43

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/20/23 11:06	11/21/23 01:43	1
1,4-Difluorobenzene (Surr)	112		70 - 130				11/20/23 11:06	11/21/23 01:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/21/23 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 23:28	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	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 23:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 23:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (3')

Lab Sample ID: 880-35980-43

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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		11/20/23 15:52	11/22/23 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				11/20/23 15:52	11/22/23 23:28	1
o-Terphenyl	111		70 - 130				11/20/23 15:52	11/22/23 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.97		mg/Kg			11/21/23 06:04	1

Client Sample ID: T-8 (4')

Lab Sample ID: 880-35980-44

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				11/20/23 11:06	11/21/23 02:03	1
1,4-Difluorobenzene (Surr)	111		70 - 130				11/20/23 11:06	11/21/23 02:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 02:03	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			11/22/23 23:49	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		11/20/23 15:52	11/22/23 23:49	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:52	11/22/23 23:49	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:52	11/22/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				11/20/23 15:52	11/22/23 23:49	1
o-Terphenyl	107		70 - 130				11/20/23 15:52	11/22/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		5.04		mg/Kg			11/21/23 06:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-35980-46

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/23/23 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/23/23 00:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/23/23 00:32	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/23/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				11/20/23 15:52	11/23/23 00:32	1
o-Terphenyl	116		70 - 130				11/20/23 15:52	11/23/23 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4240		50.4		mg/Kg			11/21/23 06:37	10

Client Sample ID: T-9 (2')

Lab Sample ID: 880-35980-47

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/20/23 11:06	11/21/23 03:04	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/20/23 11:06	11/21/23 03:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/23/23 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 00:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 00:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (2')

Lab Sample ID: 880-35980-47

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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		11/20/23 15:52	11/23/23 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				11/20/23 15:52	11/23/23 00:53	1
o-Terphenyl	122		70 - 130				11/20/23 15:52	11/23/23 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		5.03		mg/Kg			11/21/23 06:44	1

Client Sample ID: T-9 (3')

Lab Sample ID: 880-35980-48

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/20/23 11:06	11/21/23 03:25	1
1,4-Difluorobenzene (Surr)	119		70 - 130				11/20/23 11:06	11/21/23 03:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/23/23 01:36	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		11/20/23 15:52	11/23/23 01:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 01:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				11/20/23 15:52	11/23/23 01:36	1
o-Terphenyl	130		70 - 130				11/20/23 15:52	11/23/23 01:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.5		4.97		mg/Kg			11/21/23 06:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (4')

Lab Sample ID: 880-35980-49

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/20/23 11:06	11/21/23 03:45	1
1,4-Difluorobenzene (Surr)	118		70 - 130	11/20/23 11:06	11/21/23 03:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/23/23 01:57	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	50.1		mg/Kg		11/20/23 15:52	11/23/23 01:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 15:52	11/23/23 01:57	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 15:52	11/23/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	11/20/23 15:52	11/23/23 01:57	1
o-Terphenyl	110		70 - 130	11/20/23 15:52	11/23/23 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.8		4.96		mg/Kg			11/21/23 06:57	1

Client Sample ID: T-10 (0-1')

Lab Sample ID: 880-35980-50

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 11:06	11/21/23 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	11/20/23 11:06	11/21/23 05:35	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/20/23 11:06	11/21/23 05:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-50
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 05:35	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.2	U	50.2		mg/Kg			11/23/23 02:19	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/20/23 15:52	11/23/23 02:19	1	
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 15:52	11/23/23 02:19	1	
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 15:52	11/23/23 02:19	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	121		70 - 130				11/20/23 15:52	11/23/23 02:19	1	
o-Terphenyl	105		70 - 130				11/20/23 15:52	11/23/23 02:19	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8330		101		mg/Kg			11/21/23 07:04	20	

Client Sample ID: T-10 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-51
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1	
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 11:06	11/21/23 05:55	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 11:06	11/21/23 05:55	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130				11/20/23 11:06	11/21/23 05:55	1	
1,4-Difluorobenzene (Surr)	121		70 - 130				11/20/23 11:06	11/21/23 05:55	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/21/23 05:55	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			11/23/23 02:41	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		11/20/23 15:52	11/23/23 02:41	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 02:41	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-35980-51

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				11/20/23 15:52	11/23/23 02:41	1
o-Terphenyl	119		70 - 130				11/20/23 15:52	11/23/23 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	413		25.3		mg/Kg			11/21/23 07:10	5

Client Sample ID: T-10 (2')

Lab Sample ID: 880-35980-52

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/20/23 11:06	11/21/23 06:16	1
1,4-Difluorobenzene (Surr)	112		70 - 130				11/20/23 11:06	11/21/23 06:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/23/23 03:02	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	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 03:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 03:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				11/20/23 15:52	11/23/23 03:02	1
o-Terphenyl	117		70 - 130				11/20/23 15:52	11/23/23 03:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.03		mg/Kg			11/21/23 07:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (3')

Lab Sample ID: 880-35980-53

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/20/23 11:06	11/21/23 10:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/20/23 11:06	11/21/23 10:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/23/23 03:24	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		11/20/23 15:52	11/23/23 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	11/20/23 15:52	11/23/23 03:24	1
o-Terphenyl	126		70 - 130	11/20/23 15:52	11/23/23 03:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.3		4.99		mg/Kg			11/21/23 07:36	1

Client Sample ID: T-10 (4')

Lab Sample ID: 880-35980-54

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/20/23 11:06	11/21/23 10:42	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/20/23 11:06	11/21/23 10:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (4')

Lab Sample ID: 880-35980-54

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/23/23 03:46	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	<49.7	U	49.7		mg/Kg		11/20/23 15:52	11/23/23 03:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:52	11/23/23 03:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:52	11/23/23 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	11/20/23 15:52	11/23/23 03:46	1
o-Terphenyl	101		70 - 130	11/20/23 15:52	11/23/23 03:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		5.00		mg/Kg			11/21/23 07:56	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
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	DFBZ1
		(70-130)	(70-130)
880-35979-A-41-E MS	Matrix Spike	97	112
880-35979-A-41-F MSD	Matrix Spike Duplicate	94	114
880-35980-1	T-1 (0-1')	87	89
880-35980-1 MS	T-1 (0-1')	109	118
880-35980-1 MSD	T-1 (0-1')	127	120
880-35980-2	T-1 (1.5')	91	71
880-35980-3	T-1 (2')	103	63 S1-
880-35980-4	T-1 (3')	102	58 S1-
880-35980-5	T-1 (4')	89	94
880-35980-6	T-2 (0-1')	92	77
880-35980-7	T-2 (1.5')	104	84
880-35980-8	T-2 (2')	95	70
880-35980-9	T-2 (3')	97	76
880-35980-10	T-2 (4')	88	84
880-35980-11	T-3 (0-1')	83	74
880-35980-12	T-3 (1.5')	88	95
880-35980-13	T-3 (2')	97	71
880-35980-14	T-3 (3')	83	77
880-35980-15	T-3 (4')	85	90
880-35980-16	T-4 (0-1')	87	76
880-35980-17	T-4 (1.5')	99	61 S1-
880-35980-18	T-4 (2')	87	90
880-35980-19	T-4 (3')	92	63 S1-
880-35980-20	T-4 (4')	83	93
880-35980-21	T-5 (0-1')	333 S1+	74
880-35980-21 MS	T-5 (0-1')	298 S1+	81
880-35980-21 MSD	T-5 (0-1')	326 S1+	98
880-35980-22	T-5 (1.5')	309 S1+	77
880-35980-23	T-5 (2')	308 S1+	71
880-35980-24	T-5 (3')	352 S1+	83
880-35980-25	T-5 (4')	305 S1+	72
880-35980-26	T-6 (0-1')	334 S1+	88
880-35980-27	T-6 (1.5')	350 S1+	83
880-35980-28	T-6 (2')	370 S1+	91
880-35980-29	T-6 (3')	318 S1+	75
880-35980-30	T-6 (4')	293 S1+	76
880-35980-31	T-7 (0-1')	370 S1+	74
880-35980-32	T-7 (1.5')	367 S1+	74
880-35980-33	T-7 (2')	331 S1+	85
880-35980-34	T-7 (3')	360 S1+	77
880-35980-35	T-7 (4')	367 S1+	93
880-35980-36	T-7 (5')	313 S1+	74
880-35980-37	T-7 (6')	300 S1+	80
880-35980-38	T-7 (7')	302 S1+	73
880-35980-39	T-8 (8')	477 S1+	128
880-35980-40	T-8 (0-1')	338 S1+	82
880-35980-41	T-8 (1.5')	96	112
880-35980-42	T-8 (2')	103	117
880-35980-43	T-8 (3')	97	112

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-35980-1

Project/Site: Asio Otis Fed #3 (6.2.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-35980-44	T-8 (4')	100	111
880-35980-45	T-9 (0-1')	90	115
880-35980-46	T-9 (1.5')	99	117
880-35980-47	T-9 (2')	95	117
880-35980-48	T-9 (3')	96	119
880-35980-49	T-9 (4')	99	118
880-35980-50	T-10 (0-1')	90	108
880-35980-51	T-10 (1.5')	89	121
880-35980-52	T-10 (2')	103	112
880-35980-53	T-10 (3')	96	100
880-35980-54	T-10 (4')	93	108
LCS 880-67385/1-A	Lab Control Sample	109	114
LCS 880-67386/1-A	Lab Control Sample	328 S1+	73
LCS 880-67387/1-A	Lab Control Sample	98	104
LCSD 880-67385/2-A	Lab Control Sample Dup	104	119
LCSD 880-67386/2-A	Lab Control Sample Dup	326 S1+	77
LCSD 880-67387/2-A	Lab Control Sample Dup	92	96
MB 880-67371/5-A	Method Blank	114	144 S1+
MB 880-67375/5-A	Method Blank	75	84
MB 880-67385/5-A	Method Blank	78	73
MB 880-67386/5-A	Method Blank	238 S1+	72
MB 880-67387/5-A	Method Blank	127	166 S1+
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)
880-35980-1	T-1 (0-1')	105	109
880-35980-2	T-1 (1.5')	110	113
880-35980-3	T-1 (2')	102	106
880-35980-4	T-1 (3')	96	100
880-35980-5	T-1 (4')	85	89
880-35980-6	T-2 (0-1')	100	104
880-35980-7	T-2 (1.5')	113	113
880-35980-8	T-2 (2')	107	108
880-35980-9	T-2 (3')	95	97
880-35980-10	T-2 (4')	109	112
880-35980-11	T-3 (0-1')	99	102
880-35980-12	T-3 (1.5')	108	111
880-35980-13	T-3 (2')	103	103
880-35980-14	T-3 (3')	110	112
880-35980-15	T-3 (4')	104	105
880-35980-16	T-4 (0-1')	95	102
880-35980-17	T-4 (1.5')	96	100
880-35980-18	T-4 (2')	95	95

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-35980-1

Project/Site: Asio Otis Fed #3 (6.2.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-35980-18 MS	T-4 (2')	93	89
880-35980-18 MSD	T-4 (2')	81	75
880-35980-19	T-4 (3')	95	97
880-35980-20	T-4 (4')	90	92
880-35980-21	T-5 (0-1')	101	111
880-35980-22	T-5 (1.5')	103	113
880-35980-23	T-5 (2')	98	108
880-35980-24	T-5 (3')	100	107
880-35980-25	T-5 (4')	126	127
880-35980-26	T-6 (0-1')	101	108
880-35980-27	T-6 (1.5')	98	104
880-35980-28	T-6 (2')	102	109
880-35980-29	T-6 (3')	96	105
880-35980-30	T-6 (4')	101	106
880-35980-31	T-7 (0-1')	98	105
880-35980-32	T-7 (1.5')	99	107
880-35980-33	T-7 (2')	100	108
880-35980-34	T-7 (3')	93	100
880-35980-35	T-7 (4')	92	100
880-35980-36	T-7 (5')	94	99
880-35980-37	T-7 (6')	86	93
880-35980-38	T-7 (7')	138 S1+	120
880-35980-38 MS	T-7 (7')	150 S1+	116
880-35980-38 MSD	T-7 (7')	147 S1+	116
880-35980-39	T-8 (8')	130	117
880-35980-40	T-8 (0-1')	126	105
880-35980-41	T-8 (1.5')	133 S1+	115
880-35980-42	T-8 (2')	128	112
880-35980-43	T-8 (3')	127	111
880-35980-44	T-8 (4')	126	107
880-35980-45	T-9 (0-1')	135 S1+	118
880-35980-46	T-9 (1.5')	131 S1+	116
880-35980-47	T-9 (2')	142 S1+	122
880-35980-48	T-9 (3')	146 S1+	130
880-35980-49	T-9 (4')	129	110
880-35980-50	T-10 (0-1')	121	105
880-35980-51	T-10 (1.5')	138 S1+	119
880-35980-52	T-10 (2')	137 S1+	117
880-35980-53	T-10 (3')	141 S1+	126
880-35980-54	T-10 (4')	119	101
890-5639-A-14-E MS	Matrix Spike	101	92
890-5639-A-14-F MSD	Matrix Spike Duplicate	102	95
LCS 880-67463/2-A	Lab Control Sample	110	121
LCS 880-67472/2-A	Lab Control Sample	102	116
LCS 880-67473/2-A	Lab Control Sample	87	93
LCSD 880-67463/3-A	Lab Control Sample Dup	98	105
LCSD 880-67472/3-A	Lab Control Sample Dup	87	99
LCSD 880-67473/3-A	Lab Control Sample Dup	96	107
MB 880-67463/1-A	Method Blank	104	116
MB 880-67472/1-A	Method Blank	104	116

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-35980-1

Project/Site: Asio Otis Fed #3 (6.2.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)				
		1CO1	OTPH1			
		(70-130)	(70-130)			
Lab Sample ID	Client Sample ID					
MB 880-67473/1-A	Method Blank	135 S1+	122			
Surrogate Legend						
1CO = 1-Chlorooctane						
OTPH = o-Terphenyl						

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-67371/5-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/20/23 08:49	11/20/23 11:34	1
1,4-Difluorobenzene (Surr)	144	S1+	70 - 130	11/20/23 08:49	11/20/23 11:34	1

Lab Sample ID: MB 880-67375/5-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67375

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 09:48	11/20/23 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/20/23 09:48	11/20/23 11:31	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/20/23 09:48	11/20/23 11:31	1

Lab Sample ID: MB 880-67385/5-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 22:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	11/20/23 10:58	11/20/23 22:47	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/20/23 10:58	11/20/23 22:47	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-67385/1-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1107		mg/Kg		111	70 - 130
Toluene	0.100	0.1052		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09753		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2029		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09821		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-67385/2-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1109		mg/Kg		111	70 - 130	0	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	1	35
Ethylbenzene	0.100	0.09281		mg/Kg		93	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130	4	35
o-Xylene	0.100	0.09406		mg/Kg		94	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-35980-1 MS

Matrix: Solid

Analysis Batch: 67368

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

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09956		mg/Kg		100	70 - 130
Toluene	<0.00200	U	0.0996	0.09214		mg/Kg		93	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.08740		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.199	0.1791		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08609		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-35980-1 MSD

Matrix: Solid

Analysis Batch: 67368

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

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.1187		mg/Kg		118	70 - 130	18	35
Toluene	<0.00200	U	0.101	0.1161		mg/Kg		115	70 - 130	23	35
Ethylbenzene	<0.00200	U	0.101	0.1166		mg/Kg		116	70 - 130	29	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-1 MSD

Matrix: Solid

Analysis Batch: 67368

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

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00400	U	0.202	0.2465		mg/Kg		122	70 - 130	32	35
o-Xylene	<0.00200	U	0.101	0.1181		mg/Kg		117	70 - 130	31	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	127		70 - 130								
1,4-Difluorobenzene (Surr)	120		70 - 130								

Lab Sample ID: MB 880-67386/5-A

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	238	S1+	70 - 130				11/20/23 11:03	11/21/23 12:23	1
1,4-Difluorobenzene (Surr)	72		70 - 130				11/20/23 11:03	11/21/23 12:23	1

Lab Sample ID: LCS 880-67386/1-A

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67386

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07956		mg/Kg		80	70 - 130
Toluene	0.100	0.09797		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09216		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1789		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09590		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	328	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	73		70 - 130				

Lab Sample ID: LCSD 880-67386/2-A

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67386

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09439		mg/Kg		94	70 - 130	17	35
Toluene	0.100	0.09775		mg/Kg		98	70 - 130	0	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1953		mg/Kg		98	70 - 130	9	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	326	S1+	70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-35980-21 MS

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: T-5 (0-1')

Prep Type: Total/NA

Prep Batch: 67386

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00198	U F1 F2	0.100	0.006882	F1	mg/Kg		7	70 - 130
Toluene	<0.00198	U F1 F2	0.100	0.01399	F1	mg/Kg		14	70 - 130
Ethylbenzene	<0.00198	U F1	0.100	0.05904	F1	mg/Kg		59	70 - 130
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1163	F1	mg/Kg		58	70 - 130
o-Xylene	<0.00198	U F1	0.100	0.05074	F1	mg/Kg		51	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	298	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-35980-21 MSD

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: T-5 (0-1')

Prep Type: Total/NA

Prep Batch: 67386

	Sample	Sample	Spike	MSD	MSD				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Benzene	<0.00198	U F1 F2	0.101	0.06302	F1 F2	mg/Kg		63	70 - 130	161
Toluene	<0.00198	U F1 F2	0.101	0.06303	F1 F2	mg/Kg		63	70 - 130	127
Ethylbenzene	<0.00198	U F1	0.101	0.07408		mg/Kg		73	70 - 130	23
m-Xylene & p-Xylene	<0.00396	U F1	0.202	0.1527		mg/Kg		76	70 - 130	27
o-Xylene	<0.00198	U F1	0.101	0.06481	F1	mg/Kg		64	70 - 130	24

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	326	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-67387/5-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67387

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:06	11/21/23 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:06	11/21/23 00:13	1

	MB	MB					
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	127		70 - 130	11/20/23 11:06	11/21/23 00:13	1	
1,4-Difluorobenzene (Surr)	166	S1+	70 - 130	11/20/23 11:06	11/21/23 00:13	1	

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-67387/1-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1022		mg/Kg		102	70 - 130
Toluene	0.100	0.08564		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08638		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1875		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09166		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-67387/2-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09572		mg/Kg		96	70 - 130	7	35
Toluene	0.100	0.08646		mg/Kg		86	70 - 130	1	35
Ethylbenzene	0.100	0.07960		mg/Kg		80	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1934		mg/Kg		97	70 - 130	3	35
o-Xylene	0.100	0.09609		mg/Kg		96	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-35979-A-41-E MS

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09194		mg/Kg		92	70 - 130
Toluene	<0.00199	U	0.0996	0.08540		mg/Kg		86	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.07797		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1736		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09330		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-35979-A-41-F MSD

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09787		mg/Kg		97	70 - 130	6	35
Toluene	<0.00199	U	0.101	0.08844		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101	0.07454		mg/Kg		74	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35979-A-41-F MSD

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1658		mg/Kg		82	70 - 130	5	35
o-Xylene	<0.00199	U	0.101	0.08812		mg/Kg		87	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	114		70 - 130								

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

Lab Sample ID: MB 880-67463/1-A

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67463

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		11/20/23 15:44	11/22/23 08:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 08:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 08:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/20/23 15:44	11/22/23 08:19	1
o-Terphenyl	116		70 - 130				11/20/23 15:44	11/22/23 08:19	1

Lab Sample ID: LCS 880-67463/2-A

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1105		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	110		70 - 130						
o-Terphenyl	121		70 - 130						

Lab Sample ID: LCSD 880-67463/3-A

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67463

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1084		mg/Kg		108	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	978.3		mg/Kg		98	70 - 130	4	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-67463/3-A
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67463

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-5639-A-14-E MS
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67463

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	719.9		mg/Kg		72	70 - 130	
Diesel Range Organics (Over C10-C28)	56.0		1000	827.3		mg/Kg		77	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	101		70 - 130							
o-Terphenyl	92		70 - 130							

Lab Sample ID: 890-5639-A-14-F MSD
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67463

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	759.1		mg/Kg		76	70 - 130	5	20	
Diesel Range Organics (Over C10-C28)	56.0		1000	843.4		mg/Kg		79	70 - 130	2	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	102		70 - 130									
o-Terphenyl	95		70 - 130									

Lab Sample ID: MB 880-67472/1-A
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67472

	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		11/20/23 15:48	11/22/23 19:49		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 19:49		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 19:49		1	
	MB	MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac	
1-Chlorooctane	104		70 - 130				11/20/23 15:48	11/22/23 19:49		1	
o-Terphenyl	116		70 - 130				11/20/23 15:48	11/22/23 19:49		1	

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-67472/2-A

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67472

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	1145		mg/Kg		115		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	967.2		mg/Kg		97		70 - 130	
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	116		70 - 130								

Lab Sample ID: LCSD 880-67472/3-A

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67472

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD	
	Added	Result	Qualifier	Limits						RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1017		70 - 130	mg/Kg		102		12		20
Diesel Range Organics (Over C10-C28)	1000	903.0		70 - 130	mg/Kg		90		7		20
		LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: 880-35980-18 MS

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: T-4 (2')

Prep Type: Total/NA

Prep Batch: 67472

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1085		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1000	764.1		mg/Kg		73	70 - 130		

Lab Sample ID: 880-35980-18 MSD

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: T-4 (2')

Prep Type: Total/NA

Prep Batch: 67472

Analyte	Sample Result	Sample Qualifier	Spike		MSD		Unit	D	%Rec	%Rec		RPD	
			Added	Result	Qualifier	Limits						RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	926.1		70 - 130	mg/Kg		89		16		20
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1000	657.6	F1	70 - 130	mg/Kg		63		15		20
		MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits										
1-Chlorooctane	81		70 - 130										

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-18 MSD
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: T-4 (2')
Prep Type: Total/NA
Prep Batch: 67472

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	75		70 - 130

Lab Sample ID: MB 880-67473/1-A
Matrix: Solid
Analysis Batch: 67601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67473

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 19:49	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	135	S1+	70 - 130				11/20/23 15:52	11/22/23 19:49	1
<i>o</i> -Terphenyl	122		70 - 130				11/20/23 15:52	11/22/23 19:49	1

Lab Sample ID: LCS 880-67473/2-A
Matrix: Solid
Analysis Batch: 67601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1029		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	986.1		mg/Kg		99	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	87		70 - 130				
<i>o</i> -Terphenyl	93		70 - 130				

Lab Sample ID: LCSD 880-67473/3-A
Matrix: Solid
Analysis Batch: 67601

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67473

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	997.8		mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1029		mg/Kg		103	70 - 130	4	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	96		70 - 130						
<i>o</i> -Terphenyl	107		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-38 MS

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: T-7 (7')

Prep Type: Total/NA

Prep Batch: 67473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	959.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.4	U F1	1000	1386	F1	mg/Kg		136	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	150	S1+	70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: 880-35980-38 MSD

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: T-7 (7')

Prep Type: Total/NA

Prep Batch: 67473

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	<50.4	U	1000	1028		mg/Kg		98	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.4	U F1	1000	1374	F1	mg/Kg		135	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	147	S1+	70 - 130								
o-Terphenyl	116		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67429/1-A

Matrix: Solid

Analysis Batch: 67559

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			11/20/23 21:39	1

Lab Sample ID: LCS 880-67429/2-A

Matrix: Solid

Analysis Batch: 67559

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.2		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-67429/3-A

Matrix: Solid

Analysis Batch: 67559

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	256.9		mg/Kg		103	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-35980-1 MS

Matrix: Solid

Analysis Batch: 67559

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	1040		2510	3505		mg/Kg		98	90 - 110	

Lab Sample ID: 880-35980-1 MSD

Matrix: Solid

Analysis Batch: 67559

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	1040		2510	3480		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-35980-11 MS

Matrix: Solid

Analysis Batch: 67559

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	2900		5050	7910		mg/Kg		99	90 - 110	

Lab Sample ID: 880-35980-11 MSD

Matrix: Solid

Analysis Batch: 67559

Client Sample ID: T-3 (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	2900		5050	7908		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-67433/1-A

Matrix: Solid

Analysis Batch: 67593

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			11/21/23 23:38	1

Lab Sample ID: LCS 880-67433/2-A

Matrix: Solid

Analysis Batch: 67593

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	250	262.8		mg/Kg		105	90 - 110	

Lab Sample ID: LCSD 880-67433/3-A

Matrix: Solid

Analysis Batch: 67593

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	262.0		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-35980-21 MS

Matrix: Solid

Analysis Batch: 67593

Client Sample ID: T-5 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	12700	F1	12600	26650	F1	mg/Kg		111	90 - 110	

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-35980-21 MSD

Matrix: Solid

Analysis Batch: 67593

Client Sample ID: T-5 (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	12700	F1	12600	26790	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-35980-31 MS

Matrix: Solid

Analysis Batch: 67593

Client Sample ID: T-7 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	6240		5040	11530		mg/Kg		105	90 - 110		

Lab Sample ID: 880-35980-31 MSD

Matrix: Solid

Analysis Batch: 67593

Client Sample ID: T-7 (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	6240		5040	11590		mg/Kg		106	90 - 110	1	20

Lab Sample ID: MB 880-67437/1-A

Matrix: Solid

Analysis Batch: 67594

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			11/21/23 05:19	1

Lab Sample ID: LCS 880-67437/2-A

Matrix: Solid

Analysis Batch: 67594

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	257.2		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-67437/3-A

Matrix: Solid

Analysis Batch: 67594

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	256.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-35980-41 MS

Matrix: Solid

Analysis Batch: 67594

Client Sample ID: T-8 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2230		2530	4711		mg/Kg		98	90 - 110		

Lab Sample ID: 880-35980-41 MSD

Matrix: Solid

Analysis Batch: 67594

Client Sample ID: T-8 (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	2230		2530	4704		mg/Kg		98	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-35980-51 MS										Client Sample ID: T-10 (1.5')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 67594													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	413		1260	1713		mg/Kg		103	90 - 110				

Lab Sample ID: 880-35980-51 MSD										Client Sample ID: T-10 (1.5')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 67594													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	413		1260	1708		mg/Kg		103	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 67368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8021B	67385
880-35980-2	T-1 (1.5')	Total/NA	Solid	8021B	67385
880-35980-3	T-1 (2')	Total/NA	Solid	8021B	67385
880-35980-4	T-1 (3')	Total/NA	Solid	8021B	67385
880-35980-5	T-1 (4')	Total/NA	Solid	8021B	67385
880-35980-6	T-2 (0-1')	Total/NA	Solid	8021B	67385
880-35980-7	T-2 (1.5')	Total/NA	Solid	8021B	67385
880-35980-8	T-2 (2')	Total/NA	Solid	8021B	67385
880-35980-9	T-2 (3')	Total/NA	Solid	8021B	67385
880-35980-10	T-2 (4')	Total/NA	Solid	8021B	67385
880-35980-11	T-3 (0-1')	Total/NA	Solid	8021B	67385
880-35980-12	T-3 (1.5')	Total/NA	Solid	8021B	67385
880-35980-13	T-3 (2')	Total/NA	Solid	8021B	67385
880-35980-14	T-3 (3')	Total/NA	Solid	8021B	67385
880-35980-15	T-3 (4')	Total/NA	Solid	8021B	67385
880-35980-16	T-4 (0-1')	Total/NA	Solid	8021B	67385
880-35980-17	T-4 (1.5')	Total/NA	Solid	8021B	67385
880-35980-18	T-4 (2')	Total/NA	Solid	8021B	67385
880-35980-19	T-4 (3')	Total/NA	Solid	8021B	67385
880-35980-20	T-4 (4')	Total/NA	Solid	8021B	67385
MB 880-67375/5-A	Method Blank	Total/NA	Solid	8021B	67375
MB 880-67385/5-A	Method Blank	Total/NA	Solid	8021B	67385
LCS 880-67385/1-A	Lab Control Sample	Total/NA	Solid	8021B	67385
LCSD 880-67385/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67385
880-35980-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	67385
880-35980-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	67385

Analysis Batch: 67369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Total/NA	Solid	8021B	67387
880-35980-42	T-8 (2')	Total/NA	Solid	8021B	67387
880-35980-43	T-8 (3')	Total/NA	Solid	8021B	67387
880-35980-44	T-8 (4')	Total/NA	Solid	8021B	67387
880-35980-45	T-9 (0-1')	Total/NA	Solid	8021B	67387
880-35980-46	T-9 (1.5')	Total/NA	Solid	8021B	67387
880-35980-47	T-9 (2')	Total/NA	Solid	8021B	67387
880-35980-48	T-9 (3')	Total/NA	Solid	8021B	67387
880-35980-49	T-9 (4')	Total/NA	Solid	8021B	67387
880-35980-50	T-10 (0-1')	Total/NA	Solid	8021B	67387
880-35980-51	T-10 (1.5')	Total/NA	Solid	8021B	67387
880-35980-52	T-10 (2')	Total/NA	Solid	8021B	67387
880-35980-53	T-10 (3')	Total/NA	Solid	8021B	67387
880-35980-54	T-10 (4')	Total/NA	Solid	8021B	67387
MB 880-67371/5-A	Method Blank	Total/NA	Solid	8021B	67371
MB 880-67387/5-A	Method Blank	Total/NA	Solid	8021B	67387
LCS 880-67387/1-A	Lab Control Sample	Total/NA	Solid	8021B	67387
LCSD 880-67387/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67387
880-35979-A-41-E MS	Matrix Spike	Total/NA	Solid	8021B	67387
880-35979-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	67387

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 67371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67371/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 67375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67375/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 67385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	5035	
880-35980-2	T-1 (1.5')	Total/NA	Solid	5035	
880-35980-3	T-1 (2')	Total/NA	Solid	5035	
880-35980-4	T-1 (3')	Total/NA	Solid	5035	
880-35980-5	T-1 (4')	Total/NA	Solid	5035	
880-35980-6	T-2 (0-1')	Total/NA	Solid	5035	
880-35980-7	T-2 (1.5')	Total/NA	Solid	5035	
880-35980-8	T-2 (2')	Total/NA	Solid	5035	
880-35980-9	T-2 (3')	Total/NA	Solid	5035	
880-35980-10	T-2 (4')	Total/NA	Solid	5035	
880-35980-11	T-3 (0-1')	Total/NA	Solid	5035	
880-35980-12	T-3 (1.5')	Total/NA	Solid	5035	
880-35980-13	T-3 (2')	Total/NA	Solid	5035	
880-35980-14	T-3 (3')	Total/NA	Solid	5035	
880-35980-15	T-3 (4')	Total/NA	Solid	5035	
880-35980-16	T-4 (0-1')	Total/NA	Solid	5035	
880-35980-17	T-4 (1.5')	Total/NA	Solid	5035	
880-35980-18	T-4 (2')	Total/NA	Solid	5035	
880-35980-19	T-4 (3')	Total/NA	Solid	5035	
880-35980-20	T-4 (4')	Total/NA	Solid	5035	
MB 880-67385/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67385/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67385/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35980-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-35980-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 67386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Total/NA	Solid	5035	
880-35980-22	T-5 (1.5')	Total/NA	Solid	5035	
880-35980-23	T-5 (2')	Total/NA	Solid	5035	
880-35980-24	T-5 (3')	Total/NA	Solid	5035	
880-35980-25	T-5 (4')	Total/NA	Solid	5035	
880-35980-26	T-6 (0-1')	Total/NA	Solid	5035	
880-35980-27	T-6 (1.5')	Total/NA	Solid	5035	
880-35980-28	T-6 (2')	Total/NA	Solid	5035	
880-35980-29	T-6 (3')	Total/NA	Solid	5035	
880-35980-30	T-6 (4')	Total/NA	Solid	5035	
880-35980-31	T-7 (0-1')	Total/NA	Solid	5035	
880-35980-32	T-7 (1.5')	Total/NA	Solid	5035	
880-35980-33	T-7 (2')	Total/NA	Solid	5035	
880-35980-34	T-7 (3')	Total/NA	Solid	5035	
880-35980-35	T-7 (4')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 67386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-36	T-7 (5')	Total/NA	Solid	5035	
880-35980-37	T-7 (6')	Total/NA	Solid	5035	
880-35980-38	T-7 (7')	Total/NA	Solid	5035	
880-35980-39	T-8 (8')	Total/NA	Solid	5035	
880-35980-40	T-8 (0-1')	Total/NA	Solid	5035	
MB 880-67386/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67386/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67386/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35980-21 MS	T-5 (0-1')	Total/NA	Solid	5035	
880-35980-21 MSD	T-5 (0-1')	Total/NA	Solid	5035	

Prep Batch: 67387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Total/NA	Solid	5035	
880-35980-42	T-8 (2')	Total/NA	Solid	5035	
880-35980-43	T-8 (3')	Total/NA	Solid	5035	
880-35980-44	T-8 (4')	Total/NA	Solid	5035	
880-35980-45	T-9 (0-1')	Total/NA	Solid	5035	
880-35980-46	T-9 (1.5')	Total/NA	Solid	5035	
880-35980-47	T-9 (2')	Total/NA	Solid	5035	
880-35980-48	T-9 (3')	Total/NA	Solid	5035	
880-35980-49	T-9 (4')	Total/NA	Solid	5035	
880-35980-50	T-10 (0-1')	Total/NA	Solid	5035	
880-35980-51	T-10 (1.5')	Total/NA	Solid	5035	
880-35980-52	T-10 (2')	Total/NA	Solid	5035	
880-35980-53	T-10 (3')	Total/NA	Solid	5035	
880-35980-54	T-10 (4')	Total/NA	Solid	5035	
MB 880-67387/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67387/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67387/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35979-A-41-E MS	Matrix Spike	Total/NA	Solid	5035	
880-35979-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 67530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Total/NA	Solid	8021B	67386
880-35980-22	T-5 (1.5')	Total/NA	Solid	8021B	67386
880-35980-23	T-5 (2')	Total/NA	Solid	8021B	67386
880-35980-24	T-5 (3')	Total/NA	Solid	8021B	67386
880-35980-25	T-5 (4')	Total/NA	Solid	8021B	67386
880-35980-26	T-6 (0-1')	Total/NA	Solid	8021B	67386
880-35980-27	T-6 (1.5')	Total/NA	Solid	8021B	67386
880-35980-28	T-6 (2')	Total/NA	Solid	8021B	67386
880-35980-29	T-6 (3')	Total/NA	Solid	8021B	67386
880-35980-30	T-6 (4')	Total/NA	Solid	8021B	67386
880-35980-31	T-7 (0-1')	Total/NA	Solid	8021B	67386
880-35980-32	T-7 (1.5')	Total/NA	Solid	8021B	67386
880-35980-33	T-7 (2')	Total/NA	Solid	8021B	67386
880-35980-34	T-7 (3')	Total/NA	Solid	8021B	67386
880-35980-35	T-7 (4')	Total/NA	Solid	8021B	67386
880-35980-36	T-7 (5')	Total/NA	Solid	8021B	67386

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 67530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-37	T-7 (6')	Total/NA	Solid	8021B	67386
880-35980-38	T-7 (7')	Total/NA	Solid	8021B	67386
880-35980-39	T-8 (8')	Total/NA	Solid	8021B	67386
880-35980-40	T-8 (0-1')	Total/NA	Solid	8021B	67386
MB 880-67386/5-A	Method Blank	Total/NA	Solid	8021B	67386
LCS 880-67386/1-A	Lab Control Sample	Total/NA	Solid	8021B	67386
LCSD 880-67386/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67386
880-35980-21 MS	T-5 (0-1')	Total/NA	Solid	8021B	67386
880-35980-21 MSD	T-5 (0-1')	Total/NA	Solid	8021B	67386

Analysis Batch: 67549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-35980-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-35980-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-35980-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-7	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-35980-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-35980-10	T-2 (4')	Total/NA	Solid	Total BTEX	
880-35980-11	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-12	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-13	T-3 (2')	Total/NA	Solid	Total BTEX	
880-35980-14	T-3 (3')	Total/NA	Solid	Total BTEX	
880-35980-15	T-3 (4')	Total/NA	Solid	Total BTEX	
880-35980-16	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-17	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-18	T-4 (2')	Total/NA	Solid	Total BTEX	
880-35980-19	T-4 (3')	Total/NA	Solid	Total BTEX	
880-35980-20	T-4 (4')	Total/NA	Solid	Total BTEX	
880-35980-21	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-22	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-23	T-5 (2')	Total/NA	Solid	Total BTEX	
880-35980-24	T-5 (3')	Total/NA	Solid	Total BTEX	
880-35980-25	T-5 (4')	Total/NA	Solid	Total BTEX	
880-35980-26	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-27	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-28	T-6 (2')	Total/NA	Solid	Total BTEX	
880-35980-29	T-6 (3')	Total/NA	Solid	Total BTEX	
880-35980-30	T-6 (4')	Total/NA	Solid	Total BTEX	
880-35980-31	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-32	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-33	T-7 (2')	Total/NA	Solid	Total BTEX	
880-35980-34	T-7 (3')	Total/NA	Solid	Total BTEX	
880-35980-35	T-7 (4')	Total/NA	Solid	Total BTEX	
880-35980-36	T-7 (5')	Total/NA	Solid	Total BTEX	
880-35980-37	T-7 (6')	Total/NA	Solid	Total BTEX	
880-35980-38	T-7 (7')	Total/NA	Solid	Total BTEX	
880-35980-39	T-8 (8')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 67549 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-40	T-8 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-41	T-8 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-42	T-8 (2')	Total/NA	Solid	Total BTEX	
880-35980-43	T-8 (3')	Total/NA	Solid	Total BTEX	
880-35980-44	T-8 (4')	Total/NA	Solid	Total BTEX	
880-35980-45	T-9 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-46	T-9 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-47	T-9 (2')	Total/NA	Solid	Total BTEX	
880-35980-48	T-9 (3')	Total/NA	Solid	Total BTEX	
880-35980-49	T-9 (4')	Total/NA	Solid	Total BTEX	
880-35980-50	T-10 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-51	T-10 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-52	T-10 (2')	Total/NA	Solid	Total BTEX	
880-35980-53	T-10 (3')	Total/NA	Solid	Total BTEX	
880-35980-54	T-10 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 67463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-35980-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-35980-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-35980-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-7	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-35980-9	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-35980-10	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-35980-11	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-12	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-13	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-35980-14	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-35980-15	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-35980-16	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-17	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-67463/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67463/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5639-A-14-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5639-A-14-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 67472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-18	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-35980-19	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-35980-20	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-35980-21	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-22	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-23	T-5 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 67472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-24	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-35980-25	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-35980-26	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-27	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-28	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-35980-29	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-35980-30	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-35980-31	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-32	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-33	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-35980-34	T-7 (3')	Total/NA	Solid	8015NM Prep	
880-35980-35	T-7 (4')	Total/NA	Solid	8015NM Prep	
880-35980-36	T-7 (5')	Total/NA	Solid	8015NM Prep	
880-35980-37	T-7 (6')	Total/NA	Solid	8015NM Prep	
MB 880-67472/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67472/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35980-18 MS	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-35980-18 MSD	T-4 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 67473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-38	T-7 (7')	Total/NA	Solid	8015NM Prep	
880-35980-39	T-8 (8')	Total/NA	Solid	8015NM Prep	
880-35980-40	T-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-41	T-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-42	T-8 (2')	Total/NA	Solid	8015NM Prep	
880-35980-43	T-8 (3')	Total/NA	Solid	8015NM Prep	
880-35980-44	T-8 (4')	Total/NA	Solid	8015NM Prep	
880-35980-45	T-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-46	T-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-47	T-9 (2')	Total/NA	Solid	8015NM Prep	
880-35980-48	T-9 (3')	Total/NA	Solid	8015NM Prep	
880-35980-49	T-9 (4')	Total/NA	Solid	8015NM Prep	
880-35980-50	T-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-51	T-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-52	T-10 (2')	Total/NA	Solid	8015NM Prep	
880-35980-53	T-10 (3')	Total/NA	Solid	8015NM Prep	
880-35980-54	T-10 (4')	Total/NA	Solid	8015NM Prep	
MB 880-67473/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67473/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67473/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35980-38 MS	T-7 (7')	Total/NA	Solid	8015NM Prep	
880-35980-38 MSD	T-7 (7')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 67601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-38	T-7 (7')	Total/NA	Solid	8015B NM	67473
880-35980-39	T-8 (8')	Total/NA	Solid	8015B NM	67473
880-35980-40	T-8 (0-1')	Total/NA	Solid	8015B NM	67473
880-35980-41	T-8 (1.5')	Total/NA	Solid	8015B NM	67473

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 67601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-42	T-8 (2')	Total/NA	Solid	8015B NM	67473
880-35980-43	T-8 (3')	Total/NA	Solid	8015B NM	67473
880-35980-44	T-8 (4')	Total/NA	Solid	8015B NM	67473
880-35980-45	T-9 (0-1')	Total/NA	Solid	8015B NM	67473
880-35980-46	T-9 (1.5')	Total/NA	Solid	8015B NM	67473
880-35980-47	T-9 (2')	Total/NA	Solid	8015B NM	67473
880-35980-48	T-9 (3')	Total/NA	Solid	8015B NM	67473
880-35980-49	T-9 (4')	Total/NA	Solid	8015B NM	67473
880-35980-50	T-10 (0-1')	Total/NA	Solid	8015B NM	67473
880-35980-51	T-10 (1.5')	Total/NA	Solid	8015B NM	67473
880-35980-52	T-10 (2')	Total/NA	Solid	8015B NM	67473
880-35980-53	T-10 (3')	Total/NA	Solid	8015B NM	67473
880-35980-54	T-10 (4')	Total/NA	Solid	8015B NM	67473
MB 880-67473/1-A	Method Blank	Total/NA	Solid	8015B NM	67473
LCS 880-67473/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67473
LCSD 880-67473/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67473
880-35980-38 MS	T-7 (7')	Total/NA	Solid	8015B NM	67473
880-35980-38 MSD	T-7 (7')	Total/NA	Solid	8015B NM	67473

Analysis Batch: 67603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-2	T-1 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-3	T-1 (2')	Total/NA	Solid	8015B NM	67463
880-35980-4	T-1 (3')	Total/NA	Solid	8015B NM	67463
880-35980-5	T-1 (4')	Total/NA	Solid	8015B NM	67463
880-35980-6	T-2 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-7	T-2 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-8	T-2 (2')	Total/NA	Solid	8015B NM	67463
880-35980-9	T-2 (3')	Total/NA	Solid	8015B NM	67463
880-35980-10	T-2 (4')	Total/NA	Solid	8015B NM	67463
880-35980-11	T-3 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-12	T-3 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-13	T-3 (2')	Total/NA	Solid	8015B NM	67463
880-35980-14	T-3 (3')	Total/NA	Solid	8015B NM	67463
880-35980-15	T-3 (4')	Total/NA	Solid	8015B NM	67463
880-35980-16	T-4 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-17	T-4 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-18	T-4 (2')	Total/NA	Solid	8015B NM	67472
880-35980-19	T-4 (3')	Total/NA	Solid	8015B NM	67472
880-35980-20	T-4 (4')	Total/NA	Solid	8015B NM	67472
880-35980-21	T-5 (0-1')	Total/NA	Solid	8015B NM	67472
880-35980-22	T-5 (1.5')	Total/NA	Solid	8015B NM	67472
880-35980-23	T-5 (2')	Total/NA	Solid	8015B NM	67472
880-35980-24	T-5 (3')	Total/NA	Solid	8015B NM	67472
880-35980-25	T-5 (4')	Total/NA	Solid	8015B NM	67472
880-35980-26	T-6 (0-1')	Total/NA	Solid	8015B NM	67472
880-35980-27	T-6 (1.5')	Total/NA	Solid	8015B NM	67472
880-35980-28	T-6 (2')	Total/NA	Solid	8015B NM	67472
880-35980-29	T-6 (3')	Total/NA	Solid	8015B NM	67472
880-35980-30	T-6 (4')	Total/NA	Solid	8015B NM	67472

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 67603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-31	T-7 (0-1')	Total/NA	Solid	8015B NM	67472
880-35980-32	T-7 (1.5')	Total/NA	Solid	8015B NM	67472
880-35980-33	T-7 (2')	Total/NA	Solid	8015B NM	67472
880-35980-34	T-7 (3')	Total/NA	Solid	8015B NM	67472
880-35980-35	T-7 (4')	Total/NA	Solid	8015B NM	67472
880-35980-36	T-7 (5')	Total/NA	Solid	8015B NM	67472
880-35980-37	T-7 (6')	Total/NA	Solid	8015B NM	67472
MB 880-67463/1-A	Method Blank	Total/NA	Solid	8015B NM	67463
MB 880-67472/1-A	Method Blank	Total/NA	Solid	8015B NM	67472
LCS 880-67463/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67463
LCS 880-67472/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67472
LCSD 880-67463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67463
LCSD 880-67472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67472
880-35980-18 MS	T-4 (2')	Total/NA	Solid	8015B NM	67472
880-35980-18 MSD	T-4 (2')	Total/NA	Solid	8015B NM	67472
890-5639-A-14-E MS	Matrix Spike	Total/NA	Solid	8015B NM	67463
890-5639-A-14-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	67463

Analysis Batch: 67752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-35980-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-35980-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-35980-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-35980-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-35980-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-35980-7	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-35980-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-35980-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-35980-10	T-2 (4')	Total/NA	Solid	8015 NM	
880-35980-11	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-35980-12	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-35980-13	T-3 (2')	Total/NA	Solid	8015 NM	
880-35980-14	T-3 (3')	Total/NA	Solid	8015 NM	
880-35980-15	T-3 (4')	Total/NA	Solid	8015 NM	
880-35980-16	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-35980-17	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-35980-18	T-4 (2')	Total/NA	Solid	8015 NM	
880-35980-19	T-4 (3')	Total/NA	Solid	8015 NM	
880-35980-20	T-4 (4')	Total/NA	Solid	8015 NM	
880-35980-21	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-35980-22	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-35980-23	T-5 (2')	Total/NA	Solid	8015 NM	
880-35980-24	T-5 (3')	Total/NA	Solid	8015 NM	
880-35980-25	T-5 (4')	Total/NA	Solid	8015 NM	
880-35980-26	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-35980-27	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-35980-28	T-6 (2')	Total/NA	Solid	8015 NM	
880-35980-29	T-6 (3')	Total/NA	Solid	8015 NM	
880-35980-30	T-6 (4')	Total/NA	Solid	8015 NM	
880-35980-31	T-7 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 67752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-32	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-35980-33	T-7 (2')	Total/NA	Solid	8015 NM	
880-35980-34	T-7 (3')	Total/NA	Solid	8015 NM	
880-35980-35	T-7 (4')	Total/NA	Solid	8015 NM	
880-35980-36	T-7 (5')	Total/NA	Solid	8015 NM	
880-35980-37	T-7 (6')	Total/NA	Solid	8015 NM	
880-35980-38	T-7 (7')	Total/NA	Solid	8015 NM	
880-35980-39	T-8 (8')	Total/NA	Solid	8015 NM	
880-35980-40	T-8 (0-1')	Total/NA	Solid	8015 NM	
880-35980-41	T-8 (1.5')	Total/NA	Solid	8015 NM	
880-35980-42	T-8 (2')	Total/NA	Solid	8015 NM	
880-35980-43	T-8 (3')	Total/NA	Solid	8015 NM	
880-35980-44	T-8 (4')	Total/NA	Solid	8015 NM	
880-35980-45	T-9 (0-1')	Total/NA	Solid	8015 NM	
880-35980-46	T-9 (1.5')	Total/NA	Solid	8015 NM	
880-35980-47	T-9 (2')	Total/NA	Solid	8015 NM	
880-35980-48	T-9 (3')	Total/NA	Solid	8015 NM	
880-35980-49	T-9 (4')	Total/NA	Solid	8015 NM	
880-35980-50	T-10 (0-1')	Total/NA	Solid	8015 NM	
880-35980-51	T-10 (1.5')	Total/NA	Solid	8015 NM	
880-35980-52	T-10 (2')	Total/NA	Solid	8015 NM	
880-35980-53	T-10 (3')	Total/NA	Solid	8015 NM	
880-35980-54	T-10 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 67429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-35980-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-35980-3	T-1 (2')	Soluble	Solid	DI Leach	
880-35980-4	T-1 (3')	Soluble	Solid	DI Leach	
880-35980-5	T-1 (4')	Soluble	Solid	DI Leach	
880-35980-6	T-2 (0-1')	Soluble	Solid	DI Leach	
880-35980-7	T-2 (1.5')	Soluble	Solid	DI Leach	
880-35980-8	T-2 (2')	Soluble	Solid	DI Leach	
880-35980-9	T-2 (3')	Soluble	Solid	DI Leach	
880-35980-10	T-2 (4')	Soluble	Solid	DI Leach	
880-35980-11	T-3 (0-1')	Soluble	Solid	DI Leach	
880-35980-12	T-3 (1.5')	Soluble	Solid	DI Leach	
880-35980-13	T-3 (2')	Soluble	Solid	DI Leach	
880-35980-14	T-3 (3')	Soluble	Solid	DI Leach	
880-35980-15	T-3 (4')	Soluble	Solid	DI Leach	
880-35980-16	T-4 (0-1')	Soluble	Solid	DI Leach	
880-35980-17	T-4 (1.5')	Soluble	Solid	DI Leach	
880-35980-18	T-4 (2')	Soluble	Solid	DI Leach	
880-35980-19	T-4 (3')	Soluble	Solid	DI Leach	
880-35980-20	T-4 (4')	Soluble	Solid	DI Leach	
MB 880-67429/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67429/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67429/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 67429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-35980-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-35980-11 MS	T-3 (0-1')	Soluble	Solid	DI Leach	
880-35980-11 MSD	T-3 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 67433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Soluble	Solid	DI Leach	
880-35980-22	T-5 (1.5')	Soluble	Solid	DI Leach	
880-35980-23	T-5 (2')	Soluble	Solid	DI Leach	
880-35980-24	T-5 (3')	Soluble	Solid	DI Leach	
880-35980-25	T-5 (4')	Soluble	Solid	DI Leach	
880-35980-26	T-6 (0-1')	Soluble	Solid	DI Leach	
880-35980-27	T-6 (1.5')	Soluble	Solid	DI Leach	
880-35980-28	T-6 (2')	Soluble	Solid	DI Leach	
880-35980-29	T-6 (3')	Soluble	Solid	DI Leach	
880-35980-30	T-6 (4')	Soluble	Solid	DI Leach	
880-35980-31	T-7 (0-1')	Soluble	Solid	DI Leach	
880-35980-32	T-7 (1.5')	Soluble	Solid	DI Leach	
880-35980-33	T-7 (2')	Soluble	Solid	DI Leach	
880-35980-34	T-7 (3')	Soluble	Solid	DI Leach	
880-35980-35	T-7 (4')	Soluble	Solid	DI Leach	
880-35980-36	T-7 (5')	Soluble	Solid	DI Leach	
880-35980-37	T-7 (6')	Soluble	Solid	DI Leach	
880-35980-38	T-7 (7')	Soluble	Solid	DI Leach	
880-35980-39	T-8 (8')	Soluble	Solid	DI Leach	
880-35980-40	T-8 (0-1')	Soluble	Solid	DI Leach	
MB 880-67433/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67433/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67433/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35980-21 MS	T-5 (0-1')	Soluble	Solid	DI Leach	
880-35980-21 MSD	T-5 (0-1')	Soluble	Solid	DI Leach	
880-35980-31 MS	T-7 (0-1')	Soluble	Solid	DI Leach	
880-35980-31 MSD	T-7 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 67437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Soluble	Solid	DI Leach	
880-35980-42	T-8 (2')	Soluble	Solid	DI Leach	
880-35980-43	T-8 (3')	Soluble	Solid	DI Leach	
880-35980-44	T-8 (4')	Soluble	Solid	DI Leach	
880-35980-45	T-9 (0-1')	Soluble	Solid	DI Leach	
880-35980-46	T-9 (1.5')	Soluble	Solid	DI Leach	
880-35980-47	T-9 (2')	Soluble	Solid	DI Leach	
880-35980-48	T-9 (3')	Soluble	Solid	DI Leach	
880-35980-49	T-9 (4')	Soluble	Solid	DI Leach	
880-35980-50	T-10 (0-1')	Soluble	Solid	DI Leach	
880-35980-51	T-10 (1.5')	Soluble	Solid	DI Leach	
880-35980-52	T-10 (2')	Soluble	Solid	DI Leach	
880-35980-53	T-10 (3')	Soluble	Solid	DI Leach	
880-35980-54	T-10 (4')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 67437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67437/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67437/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67437/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35980-41 MS	T-8 (1.5')	Soluble	Solid	DI Leach	
880-35980-41 MSD	T-8 (1.5')	Soluble	Solid	DI Leach	
880-35980-51 MS	T-10 (1.5')	Soluble	Solid	DI Leach	
880-35980-51 MSD	T-10 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 67559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Soluble	Solid	300.0	67429
880-35980-2	T-1 (1.5')	Soluble	Solid	300.0	67429
880-35980-3	T-1 (2')	Soluble	Solid	300.0	67429
880-35980-4	T-1 (3')	Soluble	Solid	300.0	67429
880-35980-5	T-1 (4')	Soluble	Solid	300.0	67429
880-35980-6	T-2 (0-1')	Soluble	Solid	300.0	67429
880-35980-7	T-2 (1.5')	Soluble	Solid	300.0	67429
880-35980-8	T-2 (2')	Soluble	Solid	300.0	67429
880-35980-9	T-2 (3')	Soluble	Solid	300.0	67429
880-35980-10	T-2 (4')	Soluble	Solid	300.0	67429
880-35980-11	T-3 (0-1')	Soluble	Solid	300.0	67429
880-35980-12	T-3 (1.5')	Soluble	Solid	300.0	67429
880-35980-13	T-3 (2')	Soluble	Solid	300.0	67429
880-35980-14	T-3 (3')	Soluble	Solid	300.0	67429
880-35980-15	T-3 (4')	Soluble	Solid	300.0	67429
880-35980-16	T-4 (0-1')	Soluble	Solid	300.0	67429
880-35980-17	T-4 (1.5')	Soluble	Solid	300.0	67429
880-35980-18	T-4 (2')	Soluble	Solid	300.0	67429
880-35980-19	T-4 (3')	Soluble	Solid	300.0	67429
880-35980-20	T-4 (4')	Soluble	Solid	300.0	67429
MB 880-67429/1-A	Method Blank	Soluble	Solid	300.0	67429
LCS 880-67429/2-A	Lab Control Sample	Soluble	Solid	300.0	67429
LCSD 880-67429/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67429
880-35980-1 MS	T-1 (0-1')	Soluble	Solid	300.0	67429
880-35980-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	67429
880-35980-11 MS	T-3 (0-1')	Soluble	Solid	300.0	67429
880-35980-11 MSD	T-3 (0-1')	Soluble	Solid	300.0	67429

Analysis Batch: 67593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Soluble	Solid	300.0	67433
880-35980-22	T-5 (1.5')	Soluble	Solid	300.0	67433
880-35980-23	T-5 (2')	Soluble	Solid	300.0	67433
880-35980-24	T-5 (3')	Soluble	Solid	300.0	67433
880-35980-25	T-5 (4')	Soluble	Solid	300.0	67433
880-35980-26	T-6 (0-1')	Soluble	Solid	300.0	67433
880-35980-27	T-6 (1.5')	Soluble	Solid	300.0	67433
880-35980-28	T-6 (2')	Soluble	Solid	300.0	67433
880-35980-29	T-6 (3')	Soluble	Solid	300.0	67433
880-35980-30	T-6 (4')	Soluble	Solid	300.0	67433
880-35980-31	T-7 (0-1')	Soluble	Solid	300.0	67433

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 67593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-32	T-7 (1.5')	Soluble	Solid	300.0	67433
880-35980-33	T-7 (2')	Soluble	Solid	300.0	67433
880-35980-34	T-7 (3')	Soluble	Solid	300.0	67433
880-35980-35	T-7 (4')	Soluble	Solid	300.0	67433
880-35980-36	T-7 (5')	Soluble	Solid	300.0	67433
880-35980-37	T-7 (6')	Soluble	Solid	300.0	67433
880-35980-38	T-7 (7')	Soluble	Solid	300.0	67433
880-35980-39	T-8 (8')	Soluble	Solid	300.0	67433
880-35980-40	T-8 (0-1')	Soluble	Solid	300.0	67433
MB 880-67433/1-A	Method Blank	Soluble	Solid	300.0	67433
LCS 880-67433/2-A	Lab Control Sample	Soluble	Solid	300.0	67433
LCSD 880-67433/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67433
880-35980-21 MS	T-5 (0-1')	Soluble	Solid	300.0	67433
880-35980-21 MSD	T-5 (0-1')	Soluble	Solid	300.0	67433
880-35980-31 MS	T-7 (0-1')	Soluble	Solid	300.0	67433
880-35980-31 MSD	T-7 (0-1')	Soluble	Solid	300.0	67433

Analysis Batch: 67594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Soluble	Solid	300.0	67437
880-35980-42	T-8 (2')	Soluble	Solid	300.0	67437
880-35980-43	T-8 (3')	Soluble	Solid	300.0	67437
880-35980-44	T-8 (4')	Soluble	Solid	300.0	67437
880-35980-45	T-9 (0-1')	Soluble	Solid	300.0	67437
880-35980-46	T-9 (1.5')	Soluble	Solid	300.0	67437
880-35980-47	T-9 (2')	Soluble	Solid	300.0	67437
880-35980-48	T-9 (3')	Soluble	Solid	300.0	67437
880-35980-49	T-9 (4')	Soluble	Solid	300.0	67437
880-35980-50	T-10 (0-1')	Soluble	Solid	300.0	67437
880-35980-51	T-10 (1.5')	Soluble	Solid	300.0	67437
880-35980-52	T-10 (2')	Soluble	Solid	300.0	67437
880-35980-53	T-10 (3')	Soluble	Solid	300.0	67437
880-35980-54	T-10 (4')	Soluble	Solid	300.0	67437
MB 880-67437/1-A	Method Blank	Soluble	Solid	300.0	67437
LCS 880-67437/2-A	Lab Control Sample	Soluble	Solid	300.0	67437
LCSD 880-67437/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67437
880-35980-41 MS	T-8 (1.5')	Soluble	Solid	300.0	67437
880-35980-41 MSD	T-8 (1.5')	Soluble	Solid	300.0	67437
880-35980-51 MS	T-10 (1.5')	Soluble	Solid	300.0	67437
880-35980-51 MSD	T-10 (1.5')	Soluble	Solid	300.0	67437

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-1

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/20/23 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/20/23 23:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 12:47	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 21:59	SMC	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-35980-2

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/20/23 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/20/23 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 13:09	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 22:18	SMC	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-35980-3

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/20/23 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/20/23 23:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 13:32	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 22:25	SMC	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-35980-4

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 00:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67752	11/22/23 13:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 13:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 22:32	SMC	EET MID

Client Sample ID: T-1 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 00:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 14:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 14:16	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 22:38	SMC	EET MID

Client Sample ID: T-2 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 14:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 14:38	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67559	11/20/23 22:58	SMC	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 15:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 15:01	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-7
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			4.97 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 23:04	SMC	EET MID

Client Sample ID: T-2 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-8
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			4.98 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 15:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 15:45	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:11	SMC	EET MID

Client Sample ID: T-2 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-9
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			4.97 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 16:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 16:07	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:17	SMC	EET MID

Client Sample ID: T-2 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 16:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 16:30	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:24	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 16:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 16:52	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67559	11/20/23 23:31	SMC	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-12
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			5.00 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 17:15	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 23:50	SMC	EET MID

Client Sample ID: T-3 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-13
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			5.02 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 04:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 17:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 17:36	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:57	SMC	EET MID

Client Sample ID: T-3 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 04:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-14
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			67752	11/22/23 17:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 17:58	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 15:43	SMC	EET MID

Client Sample ID: T-3 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 04:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 04:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 18:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 18:21	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 15:49	SMC	EET MID

Client Sample ID: T-4 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 05:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 18:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 18:42	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	67559	11/21/23 15:56	SMC	EET MID

Client Sample ID: T-4 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-17
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			4.99 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 05:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 19:04	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-17
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			4.97 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/21/23 16:02	SMC	EET MID

Client Sample ID: T-4 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 20:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 20:55	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 16:09	SMC	EET MID

Client Sample ID: T-4 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-19
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			5.05 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 06:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 06:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 22:02	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 16:15	SMC	EET MID

Client Sample ID: T-4 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-20
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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 06:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 06:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 22:25	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 16:22	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-21
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			5.05 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 22:46	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	67593	11/21/23 23:58	SMC	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-22
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			4.98 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 23:07	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 00:18	SMC	EET MID

Client Sample ID: T-5 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-23
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			4.97 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 13:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 23:28	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 00:24	SMC	EET MID

Client Sample ID: T-5 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-24
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			4.99 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 14:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-24

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			67752	11/22/23 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 23:49	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67593	11/22/23 00:31	SMC	EET MID

Client Sample ID: T-5 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-25

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	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 14:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 00:10	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67593	11/22/23 00:37	SMC	EET MID

Client Sample ID: T-6 (0-1')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-26

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			5.05 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 15:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 00:32	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	67593	11/22/23 00:57	SMC	EET MID

Client Sample ID: T-6 (1.5')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-27

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	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 15:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 15:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 00:53	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:04	SMC	EET MID

Client Sample ID: T-6 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-28
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			5.02 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 15:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 01:36	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:10	SMC	EET MID

Client Sample ID: T-6 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-29
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			5.00 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 01:57	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67593	11/22/23 01:17	SMC	EET MID

Client Sample ID: T-6 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-30
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			5.05 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 16:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 02:19	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67593	11/22/23 01:23	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-31
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			4.98 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 02:41	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:30	SMC	EET MID

Client Sample ID: T-7 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-32
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			4.95 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 18:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 18:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 03:02	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:50	SMC	EET MID

Client Sample ID: T-7 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 19:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 03:24	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:56	SMC	EET MID

Client Sample ID: T-7 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 19:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 03:46	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67593	11/22/23 02:16	SMC	EET MID

Client Sample ID: T-7 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-35

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 20:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 20:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 04:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 04:08	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67593	11/22/23 02:22	SMC	EET MID

Client Sample ID: T-7 (5')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-36

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	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 20:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 20:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 04:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 04:29	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67593	11/22/23 02:29	SMC	EET MID

Client Sample ID: T-7 (6')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-37

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	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 21:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 04:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 04:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (6')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67593	11/22/23 02:35	SMC	EET MID

Client Sample ID: T-7 (7')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 21:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 20:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 20:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 02:42	SMC	EET MID

Client Sample ID: T-8 (8')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 22:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 22:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 22:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67593	11/22/23 02:49	SMC	EET MID

Client Sample ID: T-8 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 22:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 22:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 02:55	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 01:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 22:46	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67594	11/21/23 05:38	SMC	EET MID

Client Sample ID: T-8 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 01:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 23:07	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 05:58	SMC	EET MID

Client Sample ID: T-8 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 01:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 23:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:04	SMC	EET MID

Client Sample ID: T-8 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 02:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:11	SMC	EET MID

Client Sample ID: T-9 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 02:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.903 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 00:10	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67594	11/21/23 06:18	SMC	EET MID

Client Sample ID: T-9 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-46
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	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 02:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 00:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67594	11/21/23 06:37	SMC	EET MID

Client Sample ID: T-9 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-47
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	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 03:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 00:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (2')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-47

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	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:44	SMC	EET MID

Client Sample ID: T-9 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-48

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	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 03:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 01:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:50	SMC	EET MID

Client Sample ID: T-9 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 03:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 01:57	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:57	SMC	EET MID

Client Sample ID: T-10 (0-1')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 05:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 02:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67594	11/21/23 07:04	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 05:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 02:41	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67594	11/21/23 07:10	SMC	EET MID

Client Sample ID: T-10 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 06:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 06:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 03:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 07:30	SMC	EET MID

Client Sample ID: T-10 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-53
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	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 10:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 10:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 03:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 07:36	SMC	EET MID

Client Sample ID: T-10 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-54
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	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 10:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 10:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-54
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			67752	11/23/23 03:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 03:46	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 07:56	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
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	T104704400-23-26	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

Method Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-35980-1	T-1 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-2	T-1 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-3	T-1 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-4	T-1 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-5	T-1 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-6	T-2 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-7	T-2 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-8	T-2 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-9	T-2 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-10	T-2 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-11	T-3 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-12	T-3 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-13	T-3 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-14	T-3 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-15	T-3 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-16	T-4 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-17	T-4 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-18	T-4 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-19	T-4 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-20	T-4 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-21	T-5 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-22	T-5 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-23	T-5 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-24	T-5 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-25	T-5 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-26	T-6 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-27	T-6 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-28	T-6 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-29	T-6 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-30	T-6 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-31	T-7 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-32	T-7 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-33	T-7 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-34	T-7 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-35	T-7 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-36	T-7 (5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-37	T-7 (6')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-38	T-7 (7')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-39	T-8 (8')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-40	T-8 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-41	T-8 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-42	T-8 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-43	T-8 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-44	T-8 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-45	T-9 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-46	T-9 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-47	T-9 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-48	T-9 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-49	T-9 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-50	T-10 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-51	T-10 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-52	T-10 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-53	T-10 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-54	T-10 (4')	Solid	11/15/23 00:00	11/17/23 16:43

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Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcamona@carmonaresources.com
880-35980 Chain of Custody Program: ☒UST/PT ☐PRP ☐brownfields ☐RC ☐perfund ☐ State of Project: ☐Level II ☐Level III ☐ST/UST ☐RRP ☐Level IV ☐ Reporting Level II ☐Level III ☐ST/UST ☐RRP ☐Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other			



Project Name:		Asio Otis Fed #3 (6.2.23)		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number	2065	☐ Routine	☒ Rush													None: NO	DI Water H ₂ O				
Project Location	Eddy County, New Mexico	Due Date	72 Hrs													Cool Cool	MeOH Me				
Sampler's Name	MM													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 SAPC				
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
T-1 (0-1')		11/15/2023		X		G	1	BTEX 8021B													
T-1 (1.5')		11/15/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)													
T-1 (2')		11/15/2023		X		G	1	Chloride 300.0													
T-1 (3')		11/15/2023		X		G	1														
T-1 (4')		11/15/2023		X		G	1														
T-2 (0-1')		11/15/2023		X		G	1														
T-2 (1.5')		11/15/2023		X		G	1														
T-2 (2')		11/15/2023		X		G	1														
T-2 (3')		11/15/2023		X		G	1														
T-2 (4')		11/15/2023		X		G	1														

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/17/23		11/16/23

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Work Order No: 35980

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Project Manager	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email	mcarmona@carmonaresources.com
Program: UST/PT ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐ State of Project: Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other			

Project Name:	Asio Otis Fed #3 (6 2.23)	Turn Around		Parameters	ANALYSIS REQUEST												Preservative Codes						
Project Number	2065	☐ Routine	☒ Rush		72 Hrs													None: NO	DI Water H ₂ O				
Project Location	Eddy County, New Mexico	Due Date															Cool Cool	MeOH Me					
Sampler's Name	MM																	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 Inact:	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 SANC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
T-3 (0-1')	11/15/2023		X		G	1	X	X	X	X													
T-3 (1.5')	11/15/2023		X		G	1	X	X	X	X													
T-3 (2')	11/15/2023		X		G	1	X	X	X	X													
T-3 (3')	11/15/2023		X		G	1	X	X	X	X													
T-3 (4')	11/15/2023		X		G	1	X	X	X	X													
T-4 (0-1')	11/15/2023		X		G	1	X	X	X	X													
T-4 (1.5')	11/15/2023		X		G	1	X	X	X	X													
T-4 (2')	11/15/2023		X		G	1	X	X	X	X													
T-4 (3')	11/15/2023		X		G	1	X	X	X	X													
T-4 (4')	11/15/2023		X		G	1	X	X	X	X													

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/17/23		
	1643		

Project Manager	Conner Moehring	Bill to. (if different)	Camrona Resources
Company Name	Camrona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone:	432-813-6623	Email	mcamrona@camronaresources.com

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

Work Order No: 35980

Project Name:						Asio Oils Fed #3 (6.2.23)		Turn Around		ANALYSIS REQUEST								Preservative Codes			
Project Number		2065		☐ Routine ☒ Rush				Press. Code										None, NO	DI Water	H ₂ O	
Project Location		Eddy County, New Mexico		Due Date.		72 Hrs												Cool	Cool	MeOH	Me
Sampler's Name		MM																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 I.D.												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/ Comp		# of Cont								Sample Comments	
T-5 (0-1')		11/15/2023				X				G		1		X		X		X			
T-5 (1.5')		11/15/2023				X				G		1		X		X		X			
T-5 (2')		11/15/2023				X				G		1		X		X		X			
T-5 (3')		11/15/2023				X				G		1		X		X		X			
T-5 (4')		11/15/2023				X				G		1		X		X		X			
T-6 (0-1')		11/15/2023				X				G		1		X		X		X			
T-6 (1.5')		11/15/2023				X				G		1		X		X		X			
T-6 (2')		11/15/2023				X				G		1		X		X		X			
T-6 (3')		11/15/2023				X				G		1		X		X		X			
T-6 (4')		11/15/2023				X				G		1		X		X		X			

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

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Project Manager	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com
Program: UST/PT ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐ State of Project: Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other			

Project Name	Asio Otis Fed #3 (6.2.23)	Turn Around	Parameters	ANALYSIS REQUEST												Preservative Codes			
Project Number	2065	☐ Routine ☒ Rush	72 Hrs	Frak. Code													None, NO	DI Water H ₂ O	
Project Location	Eddy County, New Mexico	Due Date															Cool Cool	MeOH: Me	
Sampler's Name	MM																HCL, HC	HNO ₃ , HN	
PO #																	H ₂ SO ₄ , H ₂	NaOH Na	
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet tes:	Yes No													H ₃ PO ₄ , HP		
Received Intact:	Yes No	Thermometer ID:															NaHSO ₄ , NABIS		
Cooler Custody Seals	Yes No N/A	Correction Factor															Na ₂ S ₂ O ₃ , NASO ₃		
Sample Custody Seals	Yes No N/A	Temperature Reading															Zn Acetate+NaOH Zn		
Total Containers		Corrected Temperature:															NaOH+Ascorbic Acid SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont													Sample Comments
T-7 (0-1)	11/15/2023		X		G	1	X	X	X										
T-7 (1-5)	11/15/2023		X		G	1	X	X	X										
T-7 (2)	11/15/2023		X		G	1	X	X	X										
T-7 (3)	11/15/2023		X		G	1	X	X	X										
T-7 (4)	11/15/2023		X		G	1	X	X	X										
T-7 (5)	11/15/2023		X		G	1	X	X	X										
T-7 (6)	11/15/2023		X		G	1	X	X	X										
T-7 (7)	11/15/2023		X		G	1	X	X	X										
T-8 (8)	11/15/2023		X		G	1	X	X	X										
T-8 (0-1)	11/15/2023		X		G	1	X	X	X										

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/17/23		11/17/23

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Work Order No: 35980

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Project Manager	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email: mcarmona@carmonaresources.com	
Project Name:	Asio Otis Fed #3 (6.2.23)	Turn Around	
Project Number	2065	☐ Routine ☒ Rush	
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name	MM		
PO #:			
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice: Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals	Yes No N/A	Correction Factor	
Sample Custody Seals:	Yes No N/A	Temperature Reading	
Total Containers		Corrected Temperature	
Sample Identification	Date	Time	Soil
T-8 (1.5')	11/15/2023		X
T-8 (2')	11/15/2023		X
T-8 (3')	11/15/2023		X
T-8 (4')	11/15/2023		X
T-9 (0-1')	11/15/2023		X
T-9 (1.5')	11/15/2023		X
T-9 (2')	11/15/2023		X
T-9 (3')	11/15/2023		X
T-9 (4')	11/15/2023		X
T-10 (0-1')	11/15/2023		X
Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/17/23		

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other

None, NO	DI Water H ₂ O
Cool Cool	MeOH Me
HCL, HC	HNO ₃ , HN
H ₂ SO ₄ , H ₂	NaOH Na
H ₃ PO ₄ , HP	
NaHSO ₄ , NABIS	
Na ₂ S ₂ O ₃ , NaSO ₃	
Zn Acetate+NaOH Zn	
NaOH+Ascorbic Acid SAPC	

Sample Comments

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

Work Order Comments	
Program: UST/PT	☐ PRP ☐ Brownfields ☐ RC ☐ perfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables. EDD	☐ ADAPT ☐ Other

Loc: 880
35980

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/17/03		
	1043		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-35980-1
SDG Number: Eddy County, New Mexico

Login Number: 35980
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

APPENDIX F

CARMONA RESOURCES



Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

12/7/2023
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	0.9	100.0%
Totals for Area of Interest		0.9	100.0%

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes—Eddy Area, New Mexico

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f

Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes—Eddy Area, New Mexico

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land**Setting**

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components**Reagan**

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

(26)

BLM SERIAL #:

COMPANY REFERENCE:

3.1 Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

Appendix D

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
Arcadis U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 8/15/2024 11:38:51 PM Revision 1

JOB DESCRIPTION

Asio Otus Fed 003H

JOB NUMBER

890-6950-1

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
8/15/2024 11:38:51 PM
Revision 1

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Laboratory Job ID: 890-6950-1

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Definitions/Glossary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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, high biased.
*1	LCS/LCSD 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.
□	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)

Definitions/Glossary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6950-1

Eurofins Carlsbad

Job Narrative 890-6950-1

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

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

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

Receipt

The samples were received on 7/22/2024 4:47 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 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1-0-4 (890-6950-1), SW-2-0-4 (890-6950-2), B-1-4 (890-6950-3), B-2-4 (890-6950-4), B-5-8 (890-6950-5) and SW-5-0-8 (890-6950-6).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-1-0-4 (890-6950-1), B-5-8 (890-6950-5) and SW-5-0-8 (890-6950-6). 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: SW-2-0-4 (890-6950-2), B-1-4 (890-6950-3), B-2-4 (890-6950-4), (LCS 880-86460/1-A) and (880-46383-A-1-A MS). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-86400 and analytical batch 880-86530 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-5-0-8 (890-6950-6). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-86544 and analytical batch 880-86601 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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Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6952-1

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Job Narrative
890-6952-1

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

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

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

Receipt

The samples were received on 7/23/2024 4:44 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 8.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-3-0-5 (890-6952-1), SW-4-0-5 (890-6952-2), SW-3-0--5 (890-6952-3), B-4-0-5 (890-6952-4) and B-6-0-5 (890-6952-5).

GC VOA

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

Diesel Range Organics

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.

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Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6956-1

Eurofins Carlsbad

Job Narrative
890-6956-1

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

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

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

Receipt

The samples were received on 7/24/2024 4:46 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B - 8 - 8' (890-6956-1), SW - 7 - 0 - 3' (890-6956-2), B - 9 - 3' (890-6956-3), B - 11 - 3' (890-6956-4), B - 13 - 3' (890-6956-5), B - 15 - 3' (890-6956-6), B - 16 - 3' (890-6956-7), B - 17 - 3' (890-6956-8) and B - 19 - 3' (890-6956-9).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86810 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-86704 and analytical batch 880-86810 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: B - 17 - 3' (890-6956-8). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-86704 and analytical batch 880-86810 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: CCV failed low for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported.

(CCV 880-86810/32)

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-86800 and analytical batch 880-86805 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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Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6960-1

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Job Narrative 890-6960-1

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

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

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

Receipt

The samples were received on 7/25/2024 3:12 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 6.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-18 (890-6960-1), B-27 (890-6960-2), B-28 (890-6960-3), B-30 (890-6960-4), B-31 (890-6960-5), B-32 (890-6960-6), B-33 (890-6960-7), SW-9 (890-6960-8) and SW-11 (890-6960-9).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-86707 and analytical batch 880-86808 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-86707 and analytical batch 880-86808 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-6960-A-1-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: B-18 (890-6960-1) and (890-6960-A-1-C MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6962-1

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Job Narrative
890-6962-1

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

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

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

Receipt

The samples were received on 7/29/2024 2:16 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-29-4 (890-6962-1), SW-10-0-4 (890-6962-2), SW-12 (890-6962-3), SW-6 (890-6962-4), SW-8 (890-6962-5), SW-13 (890-6962-6), SW-14 (890-6962-7), B-34 (890-6962-8), B-35 (890-6962-9), B-36 (890-6962-10), B-37 (890-6962-11), B-10 (890-6962-12), B-12 (890-6962-13), B-14 (890-6962-14), B-7 (890-6962-15), B-20 (890-6962-16), B-21 (890-6962-17), B-22 (890-6962-18), B-23 (890-6962-19), B-24 (890-6962-20), B-25 (890-6962-21) and B-26 (890-6962-22).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-87036 and analytical batch 880-86998 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-87021 and analytical batch 880-86997 was outside the control limits.

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

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SW-12 (890-6962-3). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-87001 and analytical batch 880-87032 was outside the upper control limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-87032 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87172 and analytical batch 880-87182 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: B-10 (890-6962-12), B-12 (890-6962-13), B-14 (890-6962-14), B-7 (890-6962-15), B-20 (890-6962-16), B-21 (890-6962-17), B-22 (890-6962-18), B-23 (890-6962-19), B-24 (890-6962-20), B-25 (890-6962-21), (890-6962-A-12-E MS) and (890-6962-A-12-F MSD).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch

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Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6962-1 (Continued) **Eurofins Carlsbad**

880-87172 and analytical batch 880-87182 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: B-26 (890-6962-22), (890-6962-A-22-E MS) and (890-6962-A-22-F MSD).

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

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Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6967-1

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Job Narrative 890-6967-1

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

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

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

Receipt

The samples were received on 7/30/2024 3:42 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 6.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B - 38 - 3' (890-6967-1), B - 39 - 3' (890-6967-2), B - 40 - 3' (890-6967-3), B - 41 - 3' (890-6967-4), SW - 15 - 0 - 3' (890-6967-5), SW - 16 - 0 - 3' (890-6967-6), SW - 17 - 0 - 3' (890-6967-7), SW - 18 - 0 - 3' (890-6967-8) and BACKFILL (890-6967-9).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-87133 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 18 - 0 - 3' (890-6967-8). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-87117/2-A) and (LCSD 880-87117/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-87117 and analytical batch 880-87133 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-87117 and analytical batch 880-87133 was outside the control limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-87117 and analytical batch 880-87133 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

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

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Case Narrative

Client: Arcadis U.S., Inc.
Project: Asio Otus Fed 003H

Job ID: 890-6950-1

Job ID: 890-6967-2

Eurofins Carlsbad

Job Narrative 890-6967-2

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

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

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

Receipt

The samples were received on 7/30/2024 3:42 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 6.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B - 38 - 3' (890-6967-1), B - 39 - 3' (890-6967-2), B - 40 - 3' (890-6967-3), B - 41 - 3' (890-6967-4), SW - 15 - 0 - 3' (890-6967-5), SW - 16 - 0 - 3' (890-6967-6), SW - 17 - 0 - 3' (890-6967-7), SW - 18 - 0 - 3' (890-6967-8) and BACKFILL (890-6967-9).

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87172 and analytical batch 880-87182 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: B - 38 - 3' (890-6967-1), B - 39 - 3' (890-6967-2), B - 40 - 3' (890-6967-3), B - 41 - 3' (890-6967-4), SW - 15 - 0 - 3' (890-6967-5), SW - 16 - 0 - 3' (890-6967-6), SW - 17 - 0 - 3' (890-6967-7), SW - 18 - 0 - 3' (890-6967-8), BACKFILL (890-6967-9), (890-6962-A-22-D), (890-6962-A-22-E MS) and (890-6962-A-22-F MSD).

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

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-1-0-4

Lab Sample ID: 890-6950-1

Date Collected: 07/22/24 09:00

Matrix: Solid

Date Received: 07/22/24 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/24/24 08:48	07/24/24 14:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/24 08:48	07/24/24 14:45	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/24/24 08:48	07/24/24 14:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/24/24 08:48	07/24/24 14:45	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/24/24 08:48	07/24/24 14:45	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/24/24 08:48	07/24/24 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	07/24/24 08:48	07/24/24 14:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/24/24 08:48	07/24/24 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg			07/24/24 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/25/24 15:07	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	14.5	mg/Kg		07/23/24 14:47	07/25/24 15:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/23/24 14:47	07/25/24 15:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/23/24 14:47	07/25/24 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/23/24 14:47	07/25/24 15:07	1
o-Terphenyl	87		70 - 130	07/23/24 14:47	07/25/24 15:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326	F1	5.03	0.397	mg/Kg			07/24/24 22:23	1

Client Sample ID: SW-2-0-4

Lab Sample ID: 890-6950-2

Date Collected: 07/22/24 09:10

Matrix: Solid

Date Received: 07/22/24 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/24/24 08:48	07/24/24 15:12	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/24 08:48	07/24/24 15:12	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/24/24 08:48	07/24/24 15:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/24/24 08:48	07/24/24 15:12	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/24/24 08:48	07/24/24 15:12	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/24/24 08:48	07/24/24 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	07/24/24 08:48	07/24/24 15:12	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/24/24 08:48	07/24/24 15:12	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-2-0-4

Lab Sample ID: 890-6950-2

Date Collected: 07/22/24 09:10

Matrix: Solid

Date Received: 07/22/24 16:47

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	0.00228	mg/Kg			07/24/24 15:12	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	15.1	mg/Kg			07/25/24 16:02	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	<50.0	U	50.0	14.5	mg/Kg		07/23/24 14:47	07/25/24 16:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/23/24 14:47	07/25/24 16:02	1
o-Terphenyl	90		70 - 130				07/23/24 14:47	07/25/24 16:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	318		5.05	0.399	mg/Kg			07/24/24 22:39	1

Client Sample ID: B-1-4

Lab Sample ID: 890-6950-3

Date Collected: 07/22/24 09:30

Matrix: Solid

Date Received: 07/22/24 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/24/24 08:48	07/24/24 15:40	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/24 08:48	07/24/24 15:40	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/24/24 08:48	07/24/24 15:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/24/24 08:48	07/24/24 15:40	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/24/24 08:48	07/24/24 15:40	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/24/24 08:48	07/24/24 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				07/24/24 08:48	07/24/24 15:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/24/24 08:48	07/24/24 15:40	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	0.00228	mg/Kg			07/24/24 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/25/24 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/23/24 14:47	07/25/24 16:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:20	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-1-4

Lab Sample ID: 890-6950-3

Date Collected: 07/22/24 09:30

Matrix: Solid

Date Received: 07/22/24 16:47

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	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/23/24 14:47	07/25/24 16:20	1
o-Terphenyl	84		70 - 130				07/23/24 14:47	07/25/24 16:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.3		4.99	0.394	mg/Kg			07/24/24 22:44	1

Client Sample ID: B-2-4

Lab Sample ID: 890-6950-4

Date Collected: 07/22/24 09:40

Matrix: Solid

Date Received: 07/22/24 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/24/24 08:48	07/24/24 16:07	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/24 08:48	07/24/24 16:07	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/24/24 08:48	07/24/24 16:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/24/24 08:48	07/24/24 16:07	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/24/24 08:48	07/24/24 16:07	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/24/24 08:48	07/24/24 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				07/24/24 08:48	07/24/24 16:07	1
1,4-Difluorobenzene (Surr)	108		70 - 130				07/24/24 08:48	07/24/24 16:07	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	0.00229	mg/Kg			07/24/24 16:07	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	15.1	mg/Kg			07/25/24 16:38	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	14.5	mg/Kg		07/23/24 14:47	07/25/24 16:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/23/24 14:47	07/25/24 16:38	1
o-Terphenyl	95		70 - 130				07/23/24 14:47	07/25/24 16:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		5.01	0.396	mg/Kg			07/24/24 23:02	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-5-8

Lab Sample ID: 890-6950-5

Date Collected: 07/22/24 10:50

Matrix: Solid

Date Received: 07/22/24 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		07/24/24 08:48	07/24/24 16:34	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/24/24 08:48	07/24/24 16:34	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/24/24 08:48	07/24/24 16:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/24/24 08:48	07/24/24 16:34	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/24/24 08:48	07/24/24 16:34	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/24/24 08:48	07/24/24 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	07/24/24 08:48	07/24/24 16:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/24/24 08:48	07/24/24 16:34	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	0.00228	mg/Kg			07/24/24 16:34	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	15.1	mg/Kg			07/25/24 16:56	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	14.5	mg/Kg		07/23/24 14:47	07/25/24 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/23/24 14:47	07/25/24 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/23/24 14:47	07/25/24 16:56	1
o-Terphenyl	96		70 - 130	07/23/24 14:47	07/25/24 16:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	395		5.02	0.397	mg/Kg			07/24/24 23:08	1

Client Sample ID: SW-5-0-8

Lab Sample ID: 890-6950-6

Date Collected: 07/22/24 11:00

Matrix: Solid

Date Received: 07/22/24 16:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/24/24 08:48	07/24/24 17:01	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/24/24 08:48	07/24/24 17:01	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/24/24 08:48	07/24/24 17:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/24/24 08:48	07/24/24 17:01	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/24/24 08:48	07/24/24 17:01	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/24/24 08:48	07/24/24 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	07/24/24 08:48	07/24/24 17:01	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/24/24 08:48	07/24/24 17:01	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-5-0-8

Lab Sample ID: 890-6950-6

Date Collected: 07/22/24 11:00

Matrix: Solid

Date Received: 07/22/24 16:47

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	0.00227	mg/Kg			07/24/24 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.2	J	49.7	15.0	mg/Kg			07/25/24 17:36	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	14.4	mg/Kg		07/23/24 14:47	07/25/24 17:36	1
Diesel Range Organics (Over C10-C28)	20.2	J	49.7	15.0	mg/Kg		07/23/24 14:47	07/25/24 17:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/23/24 14:47	07/25/24 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/23/24 14:47	07/25/24 17:36	1
o-Terphenyl	178	S1+	70 - 130				07/23/24 14:47	07/25/24 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	359		4.99	0.394	mg/Kg			07/24/24 23:13	1

Client Sample ID: B-3-0-5

Lab Sample ID: 890-6952-1

Date Collected: 07/23/24 09:00

Matrix: Solid

Date Received: 07/23/24 16:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/24/24 08:50	07/24/24 12:16	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/24 08:50	07/24/24 12:16	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/24/24 08:50	07/24/24 12:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/24/24 08:50	07/24/24 12:16	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/24/24 08:50	07/24/24 12:16	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/24/24 08:50	07/24/24 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/24/24 08:50	07/24/24 12:16	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/24/24 08:50	07/24/24 12:16	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	0.00228	mg/Kg			07/24/24 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	15.0	mg/Kg			07/24/24 18:29	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	14.4	mg/Kg		07/24/24 10:23	07/24/24 18:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	15.0	mg/Kg		07/24/24 10:23	07/24/24 18:29	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-3-0-5

Date Collected: 07/23/24 09:00

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-1

Matrix: Solid

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)	<49.6	U	49.6	15.0	mg/Kg	-	07/24/24 10:23	07/24/24 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/24/24 10:23	07/24/24 18:29	1
o-Terphenyl	96		70 - 130				07/24/24 10:23	07/24/24 18:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	525		5.02	0.397	mg/Kg	-		07/26/24 13:39	1

Client Sample ID: SW-4-0-5

Date Collected: 07/23/24 09:50

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg	-	07/24/24 08:50	07/24/24 12:37	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/24/24 08:50	07/24/24 12:37	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/24/24 08:50	07/24/24 12:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/24/24 08:50	07/24/24 12:37	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg	-	07/24/24 08:50	07/24/24 12:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/24/24 08:50	07/24/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/24/24 08:50	07/24/24 12:37	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/24/24 08:50	07/24/24 12:37	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	0.00227	mg/Kg	-		07/24/24 12:37	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	15.1	mg/Kg	-		07/24/24 18:47	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	<49.8	U	49.8	14.5	mg/Kg	-	07/24/24 10:23	07/24/24 18:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg	-	07/24/24 10:23	07/24/24 18:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/24/24 10:23	07/24/24 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/24/24 10:23	07/24/24 18:47	1
o-Terphenyl	99		70 - 130				07/24/24 10:23	07/24/24 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		4.98	0.393	mg/Kg	-		07/26/24 13:46	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-3-0--5

Lab Sample ID: 890-6952-3

Date Collected: 07/23/24 10:30

Matrix: Solid

Date Received: 07/23/24 16:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/24/24 08:50	07/24/24 12:58	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/24/24 08:50	07/24/24 12:58	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/24/24 08:50	07/24/24 12:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 08:50	07/24/24 12:58	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/24/24 08:50	07/24/24 12:58	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 08:50	07/24/24 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/24/24 08:50	07/24/24 12:58	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/24/24 08:50	07/24/24 12:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/24/24 12:58	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	15.0	mg/Kg			07/24/24 19:05	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	14.4	mg/Kg		07/24/24 10:23	07/24/24 19:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	15.0	mg/Kg		07/24/24 10:23	07/24/24 19:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	15.0	mg/Kg		07/24/24 10:23	07/24/24 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/24/24 10:23	07/24/24 19:05	1
o-Terphenyl	95		70 - 130	07/24/24 10:23	07/24/24 19:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	444		4.98	0.393	mg/Kg			07/26/24 13:54	1

Client Sample ID: B-4-0-5

Lab Sample ID: 890-6952-4

Date Collected: 07/23/24 13:55

Matrix: Solid

Date Received: 07/23/24 16:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		07/24/24 08:50	07/24/24 13:18	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/24/24 08:50	07/24/24 13:18	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/24/24 08:50	07/24/24 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/24/24 08:50	07/24/24 13:18	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/24/24 08:50	07/24/24 13:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/24/24 08:50	07/24/24 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/24/24 08:50	07/24/24 13:18	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/24/24 08:50	07/24/24 13:18	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-4-0-5

Date Collected: 07/23/24 13:55

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-4

Matrix: Solid

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	0.00228	mg/Kg			07/24/24 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/24/24 19:23	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	14.5	mg/Kg		07/24/24 10:23	07/24/24 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/24/24 10:23	07/24/24 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/24/24 10:23	07/24/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/24/24 10:23	07/24/24 19:23	1
o-Terphenyl	99		70 - 130				07/24/24 10:23	07/24/24 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		5.03	0.397	mg/Kg			07/26/24 14:02	1

Client Sample ID: B-6-0-5

Date Collected: 07/23/24 14:05

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/24/24 08:50	07/24/24 13:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/24 08:50	07/24/24 13:38	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/24/24 08:50	07/24/24 13:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/24/24 08:50	07/24/24 13:38	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/24/24 08:50	07/24/24 13:38	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/24/24 08:50	07/24/24 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/24/24 08:50	07/24/24 13:38	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/24/24 08:50	07/24/24 13:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg			07/24/24 13:38	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	15.1	mg/Kg			07/24/24 19:40	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	14.5	mg/Kg		07/24/24 10:23	07/24/24 19:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/24/24 10:23	07/24/24 19:40	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-6-0-5

Date Collected: 07/23/24 14:05

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/24/24 10:23	07/24/24 19:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/24/24 10:23	07/24/24 19:40	1
o-Terphenyl	98		70 - 130				07/24/24 10:23	07/24/24 19:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		5.05	0.399	mg/Kg	-		07/26/24 14:10	1

Client Sample ID: B - 8 - 8'

Date Collected: 07/24/24 08:30

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg	-	07/26/24 10:37	07/27/24 10:01	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/26/24 10:37	07/27/24 10:01	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/26/24 10:37	07/27/24 10:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/26/24 10:37	07/27/24 10:01	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg	-	07/26/24 10:37	07/27/24 10:01	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/26/24 10:37	07/27/24 10:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/26/24 10:37	07/27/24 10:01	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/26/24 10:37	07/27/24 10:01	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	0.00228	mg/Kg	-		07/27/24 10:01	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	15.1	mg/Kg	-		07/27/24 05:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	14.5	mg/Kg	-	07/25/24 16:27	07/27/24 05:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 05:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/25/24 16:27	07/27/24 05:35	1
o-Terphenyl	111		70 - 130				07/25/24 16:27	07/27/24 05:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		5.02	0.397	mg/Kg	-		07/29/24 21:10	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW - 7 - 0 - 3'

Lab Sample ID: 890-6956-2

Date Collected: 07/24/24 11:00

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg	-	07/26/24 10:37	07/27/24 10:21	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	07/26/24 10:37	07/27/24 10:21	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg	-	07/26/24 10:37	07/27/24 10:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg	-	07/26/24 10:37	07/27/24 10:21	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg	-	07/26/24 10:37	07/27/24 10:21	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg	-	07/26/24 10:37	07/27/24 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/26/24 10:37	07/27/24 10:21	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 10:21	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	0.00229	mg/Kg	-		07/27/24 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg	-		07/27/24 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9	14.5	mg/Kg	-	07/25/24 16:27	07/27/24 05:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 05:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/25/24 16:27	07/27/24 05:51	1
o-Terphenyl	105		70 - 130	07/25/24 16:27	07/27/24 05:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		4.95	0.391	mg/Kg	-		07/29/24 21:18	1

Client Sample ID: B - 9 - 3'

Lab Sample ID: 890-6956-3

Date Collected: 07/24/24 11:10

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg	-	07/26/24 10:37	07/27/24 10:41	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	07/26/24 10:37	07/27/24 10:41	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg	-	07/26/24 10:37	07/27/24 10:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg	-	07/26/24 10:37	07/27/24 10:41	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg	-	07/26/24 10:37	07/27/24 10:41	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg	-	07/26/24 10:37	07/27/24 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/26/24 10:37	07/27/24 10:41	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 10:41	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 9 - 3'

Lab Sample ID: 890-6956-3

Date Collected: 07/24/24 11:10

Matrix: Solid

Date Received: 07/24/24 16:46

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	0.00230	mg/Kg			07/27/24 10:41	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	15.1	mg/Kg			07/27/24 06:08	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	<49.8	U **	49.8	14.5	mg/Kg		07/25/24 16:27	07/27/24 06:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	15.1	mg/Kg		07/25/24 16:27	07/27/24 06:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/25/24 16:27	07/27/24 06:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/25/24 16:27	07/27/24 06:08	1
o-Terphenyl	111		70 - 130				07/25/24 16:27	07/27/24 06:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		4.96	0.392	mg/Kg			07/29/24 21:26	1

Client Sample ID: B - 11 - 3'

Lab Sample ID: 890-6956-4

Date Collected: 07/24/24 11:20

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/26/24 10:37	07/27/24 11:02	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/26/24 10:37	07/27/24 11:02	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/26/24 10:37	07/27/24 11:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/26/24 10:37	07/27/24 11:02	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/26/24 10:37	07/27/24 11:02	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/26/24 10:37	07/27/24 11:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/26/24 10:37	07/27/24 11:02	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/26/24 10:37	07/27/24 11:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/27/24 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/27/24 06:24	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	14.5	mg/Kg		07/25/24 16:27	07/27/24 06:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	15.1	mg/Kg		07/25/24 16:27	07/27/24 06:24	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 11 - 3'

Lab Sample ID: 890-6956-4

Date Collected: 07/24/24 11:20

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 06:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/25/24 16:27	07/27/24 06:24	1
o-Terphenyl	105		70 - 130				07/25/24 16:27	07/27/24 06:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	415		5.04	0.398	mg/Kg	-		07/29/24 21:34	1

Client Sample ID: B - 13 - 3'

Lab Sample ID: 890-6956-5

Date Collected: 07/24/24 11:30

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg	-	07/26/24 10:37	07/27/24 11:22	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/26/24 10:37	07/27/24 11:22	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/26/24 10:37	07/27/24 11:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/26/24 10:37	07/27/24 11:22	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg	-	07/26/24 10:37	07/27/24 11:22	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/26/24 10:37	07/27/24 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/26/24 10:37	07/27/24 11:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/26/24 10:37	07/27/24 11:22	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	0.00227	mg/Kg	-		07/27/24 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg	-		07/27/24 06:40	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	14.5	mg/Kg	-	07/25/24 16:27	07/27/24 06:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 06:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 06:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/25/24 16:27	07/27/24 06:40	1
o-Terphenyl	113		70 - 130				07/25/24 16:27	07/27/24 06:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	414		4.99	0.394	mg/Kg	-		07/29/24 21:42	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 15 - 3'

Lab Sample ID: 890-6956-6

Date Collected: 07/24/24 13:50

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/26/24 10:37	07/27/24 11:43	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/26/24 10:37	07/27/24 11:43	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/26/24 10:37	07/27/24 11:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/26/24 10:37	07/27/24 11:43	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/26/24 10:37	07/27/24 11:43	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/26/24 10:37	07/27/24 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/26/24 10:37	07/27/24 11:43	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 11:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg	-		07/27/24 11:43	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	15.1	mg/Kg	-		07/27/24 06:55	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	14.5	mg/Kg	-	07/25/24 16:27	07/27/24 06:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 06:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	07/25/24 16:27	07/27/24 06:55	1
o-Terphenyl	108		70 - 130	07/25/24 16:27	07/27/24 06:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		5.02	0.397	mg/Kg	-		07/29/24 21:50	1

Client Sample ID: B - 16 - 3'

Lab Sample ID: 890-6956-7

Date Collected: 07/24/24 14:00

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg	-	07/26/24 10:37	07/27/24 12:03	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg	-	07/26/24 10:37	07/27/24 12:03	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg	-	07/26/24 10:37	07/27/24 12:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00227	mg/Kg	-	07/26/24 10:37	07/27/24 12:03	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg	-	07/26/24 10:37	07/27/24 12:03	1
Xylenes, Total	<0.00397	U	0.00397	0.00227	mg/Kg	-	07/26/24 10:37	07/27/24 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/26/24 10:37	07/27/24 12:03	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 12:03	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 16 - 3'

Lab Sample ID: 890-6956-7

Date Collected: 07/24/24 14:00

Matrix: Solid

Date Received: 07/24/24 16:46

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	0.00227	mg/Kg			07/27/24 12:03	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	15.0	mg/Kg			07/27/24 07:12	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	<49.7	U **	49.7	14.4	mg/Kg		07/25/24 16:27	07/27/24 07:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7	15.0	mg/Kg		07/25/24 16:27	07/27/24 07:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/25/24 16:27	07/27/24 07:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/25/24 16:27	07/27/24 07:12	1
o-Terphenyl	109		70 - 130				07/25/24 16:27	07/27/24 07:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		5.01	0.396	mg/Kg			07/29/24 21:58	1

Client Sample ID: B - 17 - 3'

Lab Sample ID: 890-6956-8

Date Collected: 07/24/24 14:10

Matrix: Solid

Date Received: 07/24/24 16:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/26/24 10:37	07/27/24 12:24	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/26/24 10:37	07/27/24 12:24	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/26/24 10:37	07/27/24 12:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/26/24 10:37	07/27/24 12:24	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/26/24 10:37	07/27/24 12:24	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/26/24 10:37	07/27/24 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				07/26/24 10:37	07/27/24 12:24	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/26/24 10:37	07/27/24 12:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/27/24 12:24	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	15.1	mg/Kg			07/27/24 07:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	14.5	mg/Kg		07/25/24 16:27	07/27/24 07:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	15.1	mg/Kg		07/25/24 16:27	07/27/24 07:27	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 17 - 3'

Date Collected: 07/24/24 14:10

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 07:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	203	S1+	70 - 130				07/25/24 16:27	07/27/24 07:27	1
o-Terphenyl	207	S1+	70 - 130				07/25/24 16:27	07/27/24 07:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		4.99	0.394	mg/Kg	-		07/28/24 04:13	1

Client Sample ID: B - 19 - 3'

Date Collected: 07/24/24 14:20

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/26/24 10:37	07/27/24 12:44	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/26/24 10:37	07/27/24 12:44	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/26/24 10:37	07/27/24 12:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/26/24 10:37	07/27/24 12:44	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg	-	07/26/24 10:37	07/27/24 12:44	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/26/24 10:37	07/27/24 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				07/26/24 10:37	07/27/24 12:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/26/24 10:37	07/27/24 12:44	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	0.00229	mg/Kg	-		07/27/24 12:44	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	15.1	mg/Kg	-		07/27/24 07:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	14.5	mg/Kg	-	07/25/24 16:27	07/27/24 07:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 07:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/25/24 16:27	07/27/24 07:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/25/24 16:27	07/27/24 07:43	1
o-Terphenyl	106		70 - 130				07/25/24 16:27	07/27/24 07:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.3	F1	4.98	0.393	mg/Kg	-		07/28/24 04:21	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-18

Lab Sample ID: 890-6960-1

Date Collected: 07/25/24 11:20

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/26/24 10:37	07/27/24 13:04	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/26/24 10:37	07/27/24 13:04	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/26/24 10:37	07/27/24 13:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg	-	07/26/24 10:37	07/27/24 13:04	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/26/24 10:37	07/27/24 13:04	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg	-	07/26/24 10:37	07/27/24 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/26/24 10:37	07/27/24 13:04	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg	-		07/27/24 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg	-		07/27/24 01:47	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	14.5	mg/Kg	-	07/25/24 16:36	07/27/24 01:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	15.1	mg/Kg	-	07/25/24 16:36	07/27/24 01:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/25/24 16:36	07/27/24 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	07/25/24 16:36	07/27/24 01:47	1
o-Terphenyl	67	S1-	70 - 130	07/25/24 16:36	07/27/24 01:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.9		5.00	0.395	mg/Kg	-		07/28/24 04:44	1

Client Sample ID: B-27

Lab Sample ID: 890-6960-2

Date Collected: 07/25/24 11:00

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg	-	07/26/24 10:37	07/27/24 14:38	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/26/24 10:37	07/27/24 14:38	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/26/24 10:37	07/27/24 14:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/26/24 10:37	07/27/24 14:38	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg	-	07/26/24 10:37	07/27/24 14:38	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/26/24 10:37	07/27/24 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/26/24 10:37	07/27/24 14:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 14:38	1

Eurofins Carlsbad

Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-27

Lab Sample ID: 890-6960-2

Date Collected: 07/25/24 11:00

Matrix: Solid

Date Received: 07/25/24 15:12

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	0.00228	mg/Kg			07/27/24 14:38	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	15.1	mg/Kg			07/27/24 02:36	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	14.5	mg/Kg		07/25/24 16:36	07/27/24 02:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	15.1	mg/Kg		07/25/24 16:36	07/27/24 02:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/25/24 16:36	07/27/24 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/25/24 16:36	07/27/24 02:36	1
o-Terphenyl	75		70 - 130				07/25/24 16:36	07/27/24 02:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	215		5.04	0.398	mg/Kg			07/28/24 04:52	1

Client Sample ID: B-28

Lab Sample ID: 890-6960-3

Date Collected: 07/25/24 11:10

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		07/26/24 10:37	07/27/24 14:58	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/26/24 10:37	07/27/24 14:58	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/26/24 10:37	07/27/24 14:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/26/24 10:37	07/27/24 14:58	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/26/24 10:37	07/27/24 14:58	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/26/24 10:37	07/27/24 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				07/26/24 10:37	07/27/24 14:58	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/26/24 10:37	07/27/24 14:58	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	0.00229	mg/Kg			07/27/24 14:58	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	15.0	mg/Kg			07/27/24 02:52	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	14.4	mg/Kg		07/25/24 16:36	07/27/24 02:52	1
Diesel Range Organics (Over C10-C28)	<49.6	U **	49.6	15.0	mg/Kg		07/25/24 16:36	07/27/24 02:52	1

Eurofins Carlsbad

Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-28

Lab Sample ID: 890-6960-3

Date Collected: 07/25/24 11:10

Matrix: Solid

Date Received: 07/25/24 15:12

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)	<49.6	U	49.6	15.0	mg/Kg	-	07/25/24 16:36	07/27/24 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				07/25/24 16:36	07/27/24 02:52	1
o-Terphenyl	75		70 - 130				07/25/24 16:36	07/27/24 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	215		4.96	0.392	mg/Kg	-		07/28/24 05:16	1

Client Sample ID: B-30

Lab Sample ID: 890-6960-4

Date Collected: 07/25/24 11:30

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00140	mg/Kg	-	07/26/24 10:37	07/27/24 15:19	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/26/24 10:37	07/27/24 15:19	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/26/24 10:37	07/27/24 15:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/26/24 10:37	07/27/24 15:19	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/26/24 10:37	07/27/24 15:19	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/26/24 10:37	07/27/24 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/26/24 10:37	07/27/24 15:19	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/26/24 10:37	07/27/24 15:19	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	0.00230	mg/Kg	-		07/27/24 15:19	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	15.1	mg/Kg	-		07/27/24 03:08	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	<49.8	U **	49.8	14.5	mg/Kg	-	07/25/24 16:36	07/27/24 03:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	15.1	mg/Kg	-	07/25/24 16:36	07/27/24 03:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/25/24 16:36	07/27/24 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/25/24 16:36	07/27/24 03:08	1
o-Terphenyl	76		70 - 130				07/25/24 16:36	07/27/24 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		5.00	0.395	mg/Kg	-		07/28/24 05:24	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-31

Lab Sample ID: 890-6960-5

Date Collected: 07/25/24 11:40

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/26/24 10:37	07/27/24 15:39	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/26/24 10:37	07/27/24 15:39	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/26/24 10:37	07/27/24 15:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/26/24 10:37	07/27/24 15:39	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/26/24 10:37	07/27/24 15:39	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/26/24 10:37	07/27/24 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/26/24 10:37	07/27/24 15:39	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 15:39	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	0.00227	mg/Kg			07/27/24 15:39	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	15.0	mg/Kg			07/27/24 03:25	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	<49.7	U **	49.7	14.4	mg/Kg		07/25/24 16:36	07/27/24 03:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7	15.0	mg/Kg		07/25/24 16:36	07/27/24 03:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/25/24 16:36	07/27/24 03:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	07/25/24 16:36	07/27/24 03:25	1
o-Terphenyl	72		70 - 130	07/25/24 16:36	07/27/24 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.1		5.02	0.397	mg/Kg			07/28/24 05:32	1

Client Sample ID: B-32

Lab Sample ID: 890-6960-6

Date Collected: 07/25/24 11:50

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg		07/26/24 10:37	07/27/24 16:00	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/26/24 10:37	07/27/24 16:00	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/26/24 10:37	07/27/24 16:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/26/24 10:37	07/27/24 16:00	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/26/24 10:37	07/27/24 16:00	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/26/24 10:37	07/27/24 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	07/26/24 10:37	07/27/24 16:00	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 16:00	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-32

Lab Sample ID: 890-6960-6

Date Collected: 07/25/24 11:50

Matrix: Solid

Date Received: 07/25/24 15:12

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	0.00226	mg/Kg			07/27/24 16:00	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	15.1	mg/Kg			07/27/24 03:41	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	14.5	mg/Kg		07/25/24 16:36	07/27/24 03:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	15.1	mg/Kg		07/25/24 16:36	07/27/24 03:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/25/24 16:36	07/27/24 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/25/24 16:36	07/27/24 03:41	1
o-Terphenyl	86		70 - 130				07/25/24 16:36	07/27/24 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		5.05	0.399	mg/Kg			07/28/24 05:40	1

Client Sample ID: B-33

Lab Sample ID: 890-6960-7

Date Collected: 07/25/24 12:00

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg		07/26/24 10:37	07/27/24 16:20	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/26/24 10:37	07/27/24 16:20	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/26/24 10:37	07/27/24 16:20	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00227	mg/Kg		07/26/24 10:37	07/27/24 16:20	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/26/24 10:37	07/27/24 16:20	1
Xylenes, Total	<0.00397	U	0.00397	0.00227	mg/Kg		07/26/24 10:37	07/27/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/26/24 10:37	07/27/24 16:20	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/26/24 10:37	07/27/24 16:20	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	0.00227	mg/Kg			07/27/24 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/27/24 03:57	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	14.4	mg/Kg		07/25/24 16:36	07/27/24 03:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7	15.0	mg/Kg		07/25/24 16:36	07/27/24 03:57	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-33

Date Collected: 07/25/24 12:00

Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-7

Matrix: Solid

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)	<49.7	U	49.7	15.0	mg/Kg		07/25/24 16:36	07/27/24 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				07/25/24 16:36	07/27/24 03:57	1
o-Terphenyl	71		70 - 130				07/25/24 16:36	07/27/24 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224		4.96	0.392	mg/Kg			07/28/24 05:48	1

Client Sample ID: SW-9

Date Collected: 07/25/24 09:30

Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/26/24 10:37	07/27/24 16:40	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/26/24 10:37	07/27/24 16:40	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/26/24 10:37	07/27/24 16:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/26/24 10:37	07/27/24 16:40	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/26/24 10:37	07/27/24 16:40	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/26/24 10:37	07/27/24 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/26/24 10:37	07/27/24 16:40	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/26/24 10:37	07/27/24 16:40	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	0.00229	mg/Kg			07/27/24 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/27/24 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	14.5	mg/Kg		07/25/24 16:36	07/27/24 04:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	15.1	mg/Kg		07/25/24 16:36	07/27/24 04:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/25/24 16:36	07/27/24 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				07/25/24 16:36	07/27/24 04:14	1
o-Terphenyl	74		70 - 130				07/25/24 16:36	07/27/24 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	442		4.97	0.393	mg/Kg			07/28/24 05:56	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-11

Lab Sample ID: 890-6960-9

Date Collected: 07/25/24 09:40

Matrix: Solid

Date Received: 07/25/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00140	mg/Kg	-	07/26/24 10:37	07/27/24 17:01	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/26/24 10:37	07/27/24 17:01	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/26/24 10:37	07/27/24 17:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/26/24 10:37	07/27/24 17:01	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/26/24 10:37	07/27/24 17:01	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/26/24 10:37	07/27/24 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/26/24 10:37	07/27/24 17:01	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/26/24 10:37	07/27/24 17:01	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	0.00230	mg/Kg	-		07/27/24 17:01	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	15.1	mg/Kg	-		07/27/24 04:30	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	<50.0	U **	50.0	14.5	mg/Kg	-	07/25/24 16:36	07/27/24 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	15.1	mg/Kg	-	07/25/24 16:36	07/27/24 04:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/25/24 16:36	07/27/24 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	07/25/24 16:36	07/27/24 04:30	1
o-Terphenyl	75		70 - 130	07/25/24 16:36	07/27/24 04:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	215		5.03	0.397	mg/Kg	-		07/28/24 06:04	1

Client Sample ID: B-29-4

Lab Sample ID: 890-6962-1

Date Collected: 07/29/24 09:50

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg	-	07/30/24 10:10	07/30/24 15:12	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/30/24 10:10	07/30/24 15:12	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/30/24 10:10	07/30/24 15:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/30/24 10:10	07/30/24 15:12	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/30/24 10:10	07/30/24 15:12	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/30/24 10:10	07/30/24 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/30/24 10:10	07/30/24 15:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/30/24 10:10	07/30/24 15:12	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-29-4

Lab Sample ID: 890-6962-1

Date Collected: 07/29/24 09:50

Matrix: Solid

Date Received: 07/29/24 14:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/30/24 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/30/24 12:18	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	14.5	mg/Kg		07/30/24 08:43	07/30/24 12:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 12:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/30/24 08:43	07/30/24 12:18	1
o-Terphenyl	121		70 - 130				07/30/24 08:43	07/30/24 12:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465		4.99	0.394	mg/Kg			07/30/24 20:09	1

Client Sample ID: SW-10-0-4

Lab Sample ID: 890-6962-2

Date Collected: 07/29/24 10:00

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		07/30/24 10:10	07/30/24 15:39	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/24 10:10	07/30/24 15:39	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/30/24 10:10	07/30/24 15:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/30/24 10:10	07/30/24 15:39	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/30/24 10:10	07/30/24 15:39	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/30/24 10:10	07/30/24 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/30/24 10:10	07/30/24 15:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/30/24 10:10	07/30/24 15:39	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	0.00229	mg/Kg			07/30/24 15:39	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	15.1	mg/Kg			07/30/24 13:10	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	<49.9	U	49.9	14.5	mg/Kg		07/30/24 08:43	07/30/24 13:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 13:10	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-10-0-4

Lab Sample ID: 890-6962-2

Date Collected: 07/29/24 10:00

Matrix: Solid

Date Received: 07/29/24 14:16

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	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				07/30/24 08:43	07/30/24 13:10	1
o-Terphenyl	115		70 - 130				07/30/24 08:43	07/30/24 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		5.02	0.397	mg/Kg	-		07/30/24 20:14	1

Client Sample ID: SW-12

Lab Sample ID: 890-6962-3

Date Collected: 07/29/24 10:10

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/30/24 10:10	07/30/24 16:06	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/30/24 10:10	07/30/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/30/24 10:10	07/30/24 16:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/30/24 10:10	07/30/24 16:06	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/30/24 10:10	07/30/24 16:06	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/30/24 10:10	07/30/24 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/30/24 10:10	07/30/24 16:06	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/30/24 10:10	07/30/24 16:06	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	0.00228	mg/Kg	-		07/30/24 16:06	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	15.1	mg/Kg	-		07/30/24 13:28	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	<49.9	U	49.9	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 13:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				07/30/24 08:43	07/30/24 13:28	1
o-Terphenyl	130		70 - 130				07/30/24 08:43	07/30/24 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.9		4.98	0.393	mg/Kg	-		07/30/24 20:19	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-6

Lab Sample ID: 890-6962-4

Date Collected: 07/29/24 10:20

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/30/24 10:10	07/30/24 16:34	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/30/24 10:10	07/30/24 16:34	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/30/24 10:10	07/30/24 16:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg	-	07/30/24 10:10	07/30/24 16:34	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/30/24 10:10	07/30/24 16:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg	-	07/30/24 10:10	07/30/24 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/30/24 10:10	07/30/24 16:34	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/30/24 10:10	07/30/24 16:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg	-		07/30/24 16:34	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	15.1	mg/Kg	-		07/30/24 13:45	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	<49.8	U	49.8	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 13:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 13:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	07/30/24 08:43	07/30/24 13:45	1
o-Terphenyl	118		70 - 130	07/30/24 08:43	07/30/24 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	477		4.96	0.392	mg/Kg	-		07/30/24 20:25	1

Client Sample ID: SW-8

Lab Sample ID: 890-6962-5

Date Collected: 07/29/24 10:30

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg	-	07/30/24 10:10	07/30/24 17:01	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/30/24 10:10	07/30/24 17:01	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/30/24 10:10	07/30/24 17:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/30/24 10:10	07/30/24 17:01	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg	-	07/30/24 10:10	07/30/24 17:01	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/30/24 10:10	07/30/24 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/30/24 10:10	07/30/24 17:01	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/30/24 10:10	07/30/24 17:01	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-8

Lab Sample ID: 890-6962-5

Date Collected: 07/29/24 10:30

Matrix: Solid

Date Received: 07/29/24 14:16

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	0.00227	mg/Kg			07/30/24 17:01	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	15.0	mg/Kg			07/30/24 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		07/30/24 08:43	07/30/24 14:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 08:43	07/30/24 14:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 08:43	07/30/24 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				07/30/24 08:43	07/30/24 14:03	1
o-Terphenyl	119		70 - 130				07/30/24 08:43	07/30/24 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.04	0.398	mg/Kg			07/30/24 20:40	1

Client Sample ID: SW-13

Lab Sample ID: 890-6962-6

Date Collected: 07/29/24 11:00

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		07/30/24 10:10	07/30/24 18:50	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/24 10:10	07/30/24 18:50	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		07/30/24 10:10	07/30/24 18:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		07/30/24 10:10	07/30/24 18:50	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/30/24 10:10	07/30/24 18:50	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		07/30/24 10:10	07/30/24 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/30/24 10:10	07/30/24 18:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/30/24 10:10	07/30/24 18:50	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	0.00230	mg/Kg			07/30/24 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/30/24 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/30/24 08:43	07/30/24 14:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/30/24 08:43	07/30/24 14:20	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-13

Date Collected: 07/29/24 11:00

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-6

Matrix: Solid

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	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/30/24 08:43	07/30/24 14:20	1
o-Terphenyl	109		70 - 130				07/30/24 08:43	07/30/24 14:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		5.02	0.397	mg/Kg	-		07/30/24 20:46	1

Client Sample ID: SW-14

Date Collected: 07/29/24 11:10

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/30/24 10:10	07/30/24 19:17	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/30/24 10:10	07/30/24 19:17	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/30/24 10:10	07/30/24 19:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/30/24 10:10	07/30/24 19:17	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/30/24 10:10	07/30/24 19:17	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/30/24 10:10	07/30/24 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/30/24 10:10	07/30/24 19:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/30/24 10:10	07/30/24 19:17	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	0.00228	mg/Kg	-		07/30/24 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg	-		07/30/24 14:38	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	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 14:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 14:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				07/30/24 08:43	07/30/24 14:38	1
o-Terphenyl	110		70 - 130				07/30/24 08:43	07/30/24 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		4.98	0.393	mg/Kg	-		07/30/24 21:01	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-34

Lab Sample ID: 890-6962-8

Date Collected: 07/29/24 11:20

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg	-	07/30/24 10:10	07/30/24 19:44	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/30/24 10:10	07/30/24 19:44	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/30/24 10:10	07/30/24 19:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/30/24 10:10	07/30/24 19:44	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg	-	07/30/24 10:10	07/30/24 19:44	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/30/24 10:10	07/30/24 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/30/24 10:10	07/30/24 19:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/30/24 10:10	07/30/24 19:44	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	0.00227	mg/Kg	-		07/30/24 19:44	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	15.1	mg/Kg	-		07/30/24 14:55	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	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 14:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	07/30/24 08:43	07/30/24 14:55	1
o-Terphenyl	121		70 - 130	07/30/24 08:43	07/30/24 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		5.03	0.397	mg/Kg	-		07/30/24 21:06	1

Client Sample ID: B-35

Lab Sample ID: 890-6962-9

Date Collected: 07/29/24 11:30

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg	-	07/30/24 10:10	07/30/24 20:12	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/30/24 10:10	07/30/24 20:12	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/30/24 10:10	07/30/24 20:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/30/24 10:10	07/30/24 20:12	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/30/24 10:10	07/30/24 20:12	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/30/24 10:10	07/30/24 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/30/24 10:10	07/30/24 20:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130	07/30/24 10:10	07/30/24 20:12	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-35

Lab Sample ID: 890-6962-9

Date Collected: 07/29/24 11:30

Matrix: Solid

Date Received: 07/29/24 14:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/30/24 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/30/24 15:13	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	<49.7	U	49.7	14.4	mg/Kg		07/30/24 08:43	07/30/24 15:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 08:43	07/30/24 15:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 08:43	07/30/24 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				07/30/24 08:43	07/30/24 15:13	1
o-Terphenyl	120		70 - 130				07/30/24 08:43	07/30/24 15:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		4.98	0.393	mg/Kg			07/30/24 21:12	1

Client Sample ID: B-36

Lab Sample ID: 890-6962-10

Date Collected: 07/29/24 11:40

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/30/24 10:10	07/30/24 20:39	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/30/24 10:10	07/30/24 20:39	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/30/24 10:10	07/30/24 20:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/30/24 10:10	07/30/24 20:39	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/30/24 10:10	07/30/24 20:39	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/30/24 10:10	07/30/24 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/30/24 10:10	07/30/24 20:39	1
1,4-Difluorobenzene (Surr)	106		70 - 130				07/30/24 10:10	07/30/24 20:39	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	0.00228	mg/Kg			07/30/24 20:39	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	15.1	mg/Kg			07/30/24 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/30/24 08:43	07/30/24 15:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 15:31	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-36

Date Collected: 07/29/24 11:40

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-10

Matrix: Solid

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	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/30/24 08:43	07/30/24 15:31	1
o-Terphenyl	105		70 - 130				07/30/24 08:43	07/30/24 15:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		4.95	0.391	mg/Kg	-		07/30/24 21:17	1

Client Sample ID: B-37

Date Collected: 07/29/24 11:50

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/30/24 10:10	07/30/24 21:06	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/30/24 10:10	07/30/24 21:06	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/30/24 10:10	07/30/24 21:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg	-	07/30/24 10:10	07/30/24 21:06	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/30/24 10:10	07/30/24 21:06	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg	-	07/30/24 10:10	07/30/24 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/30/24 10:10	07/30/24 21:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/30/24 10:10	07/30/24 21:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg	-		07/30/24 21:06	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	15.1	mg/Kg	-		07/30/24 16:23	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	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 16:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 16:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/30/24 08:43	07/30/24 16:23	1
o-Terphenyl	117		70 - 130				07/30/24 08:43	07/30/24 16:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		4.95	0.391	mg/Kg	-		07/30/24 21:22	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-10

Lab Sample ID: 890-6962-12

Date Collected: 07/29/24 08:00

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/30/24 10:10	07/30/24 21:33	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/30/24 10:10	07/30/24 21:33	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/30/24 10:10	07/30/24 21:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/30/24 10:10	07/30/24 21:33	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/30/24 10:10	07/30/24 21:33	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/30/24 10:10	07/30/24 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/30/24 10:10	07/30/24 21:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/30/24 10:10	07/30/24 21:33	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	0.00227	mg/Kg			07/30/24 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/30/24 16:40	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	14.5	mg/Kg		07/30/24 08:43	07/30/24 16:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/30/24 08:43	07/30/24 16:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/30/24 08:43	07/30/24 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	07/30/24 08:43	07/30/24 16:40	1
o-Terphenyl	128		70 - 130	07/30/24 08:43	07/30/24 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203	F1	4.96	0.392	mg/Kg			08/01/24 04:05	1

Client Sample ID: B-12

Lab Sample ID: 890-6962-13

Date Collected: 07/29/24 08:10

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		07/30/24 10:10	07/30/24 22:00	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/24 10:10	07/30/24 22:00	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/30/24 10:10	07/30/24 22:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/30/24 10:10	07/30/24 22:00	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/30/24 10:10	07/30/24 22:00	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/30/24 10:10	07/30/24 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/30/24 10:10	07/30/24 22:00	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/30/24 10:10	07/30/24 22:00	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-12

Lab Sample ID: 890-6962-13

Date Collected: 07/29/24 08:10

Matrix: Solid

Date Received: 07/29/24 14:16

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	0.00229	mg/Kg			07/30/24 22:00	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	15.1	mg/Kg			07/30/24 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/30/24 08:43	07/30/24 16:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 16:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/30/24 08:43	07/30/24 16:58	1
o-Terphenyl	118		70 - 130				07/30/24 08:43	07/30/24 16:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	296		4.97	0.393	mg/Kg			08/01/24 04:29	1

Client Sample ID: B-14

Lab Sample ID: 890-6962-14

Date Collected: 07/29/24 08:20

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		07/30/24 10:10	07/30/24 22:27	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/30/24 10:10	07/30/24 22:27	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/30/24 10:10	07/30/24 22:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/30/24 10:10	07/30/24 22:27	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/30/24 10:10	07/30/24 22:27	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/30/24 10:10	07/30/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/30/24 10:10	07/30/24 22:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/30/24 10:10	07/30/24 22:27	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	0.00228	mg/Kg			07/30/24 22:27	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	15.1	mg/Kg			07/30/24 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/30/24 08:43	07/30/24 17:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/30/24 08:43	07/30/24 17:15	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-14

Date Collected: 07/29/24 08:20

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-14

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/30/24 08:43	07/30/24 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/30/24 08:43	07/30/24 17:15	1
o-Terphenyl	122		70 - 130				07/30/24 08:43	07/30/24 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.5		5.02	0.397	mg/Kg			08/01/24 04:37	1

Client Sample ID: B-7

Date Collected: 07/29/24 08:30

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/30/24 10:10	07/30/24 22:54	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/30/24 10:10	07/30/24 22:54	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/30/24 10:10	07/30/24 22:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/30/24 10:10	07/30/24 22:54	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/30/24 10:10	07/30/24 22:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/30/24 10:10	07/30/24 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/30/24 10:10	07/30/24 22:54	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/30/24 10:10	07/30/24 22:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/30/24 22:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/30/24 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		07/30/24 08:43	07/30/24 17:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 08:43	07/30/24 17:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 08:43	07/30/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				07/30/24 08:43	07/30/24 17:31	1
o-Terphenyl	120		70 - 130				07/30/24 08:43	07/30/24 17:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		4.98	0.393	mg/Kg			08/01/24 04:45	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-20

Lab Sample ID: 890-6962-16

Date Collected: 07/29/24 08:40

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202	0.00141	mg/Kg	-	07/30/24 11:00	07/30/24 23:04	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/30/24 11:00	07/30/24 23:04	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/30/24 11:00	07/30/24 23:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/30/24 11:00	07/30/24 23:04	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/30/24 11:00	07/30/24 23:04	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/30/24 11:00	07/30/24 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/30/24 11:00	07/30/24 23:04	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/30/24 11:00	07/30/24 23:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg	-		07/30/24 23:04	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	15.1	mg/Kg	-		07/30/24 17:48	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	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 17:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 17:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	07/30/24 08:43	07/30/24 17:48	1
o-Terphenyl	112		70 - 130	07/30/24 08:43	07/30/24 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		5.02	0.397	mg/Kg	-		08/01/24 04:53	1

Client Sample ID: B-21

Lab Sample ID: 890-6962-17

Date Collected: 07/29/24 08:50

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg	-	07/30/24 11:00	07/30/24 23:25	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	07/30/24 11:00	07/30/24 23:25	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg	-	07/30/24 11:00	07/30/24 23:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg	-	07/30/24 11:00	07/30/24 23:25	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg	-	07/30/24 11:00	07/30/24 23:25	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg	-	07/30/24 11:00	07/30/24 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/30/24 11:00	07/30/24 23:25	1
1,4-Difluorobenzene (Surr)	73		70 - 130	07/30/24 11:00	07/30/24 23:25	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-21

Lab Sample ID: 890-6962-17

Date Collected: 07/29/24 08:50

Matrix: Solid

Date Received: 07/29/24 14:16

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	0.00229	mg/Kg			07/30/24 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/30/24 18:05	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	14.5	mg/Kg		07/30/24 08:43	07/30/24 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 18:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/30/24 08:43	07/30/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				07/30/24 08:43	07/30/24 18:05	1
o-Terphenyl	117		70 - 130				07/30/24 08:43	07/30/24 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		5.04	0.398	mg/Kg			08/01/24 05:17	1

Client Sample ID: B-22

Lab Sample ID: 890-6962-18

Date Collected: 07/29/24 09:00

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/30/24 11:00	07/30/24 23:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/30/24 11:00	07/30/24 23:45	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/30/24 11:00	07/30/24 23:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/30/24 11:00	07/30/24 23:45	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/30/24 11:00	07/30/24 23:45	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/30/24 11:00	07/30/24 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/30/24 11:00	07/30/24 23:45	1
1,4-Difluorobenzene (Surr)	73		70 - 130				07/30/24 11:00	07/30/24 23:45	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	0.00228	mg/Kg			07/30/24 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/30/24 18:21	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	14.5	mg/Kg		07/30/24 08:43	07/30/24 18:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/30/24 08:43	07/30/24 18:21	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-22

Date Collected: 07/29/24 09:00

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-18

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/30/24 08:43	07/30/24 18:21	1
o-Terphenyl	121		70 - 130				07/30/24 08:43	07/30/24 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	388		5.03	0.397	mg/Kg	-		08/01/24 05:25	1

Client Sample ID: B-23

Date Collected: 07/29/24 09:10

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-19

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg	-	07/30/24 11:00	07/31/24 00:06	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/30/24 11:00	07/31/24 00:06	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/30/24 11:00	07/31/24 00:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/30/24 11:00	07/31/24 00:06	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg	-	07/30/24 11:00	07/31/24 00:06	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/30/24 11:00	07/31/24 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/30/24 11:00	07/31/24 00:06	1
1,4-Difluorobenzene (Surr)	74		70 - 130				07/30/24 11:00	07/31/24 00:06	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	0.00228	mg/Kg	-		07/31/24 00:06	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	15.1	mg/Kg	-		07/30/24 18:38	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	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 18:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 18:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				07/30/24 08:43	07/30/24 18:38	1
o-Terphenyl	125		70 - 130				07/30/24 08:43	07/30/24 18:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	273		4.97	0.393	mg/Kg	-		08/01/24 05:33	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-24

Lab Sample ID: 890-6962-20

Date Collected: 07/29/24 09:20

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/30/24 11:00	07/31/24 00:26	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/30/24 11:00	07/31/24 00:26	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/30/24 11:00	07/31/24 00:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/30/24 11:00	07/31/24 00:26	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/30/24 11:00	07/31/24 00:26	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/30/24 11:00	07/31/24 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/30/24 11:00	07/31/24 00:26	1
1,4-Difluorobenzene (Surr)	72		70 - 130	07/30/24 11:00	07/31/24 00:26	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	0.00227	mg/Kg			07/31/24 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/30/24 18:54	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	14.5	mg/Kg		07/30/24 08:43	07/30/24 18:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/30/24 08:43	07/30/24 18:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/30/24 08:43	07/30/24 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	07/30/24 08:43	07/30/24 18:54	1
o-Terphenyl	121		70 - 130	07/30/24 08:43	07/30/24 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		4.96	0.392	mg/Kg			08/01/24 05:41	1

Client Sample ID: B-25

Lab Sample ID: 890-6962-21

Date Collected: 07/29/24 09:30

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/30/24 11:00	07/31/24 00:47	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/30/24 11:00	07/31/24 00:47	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/30/24 11:00	07/31/24 00:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/30/24 11:00	07/31/24 00:47	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/30/24 11:00	07/31/24 00:47	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/30/24 11:00	07/31/24 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/30/24 11:00	07/31/24 00:47	1
1,4-Difluorobenzene (Surr)	73		70 - 130	07/30/24 11:00	07/31/24 00:47	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-25

Lab Sample ID: 890-6962-21

Date Collected: 07/29/24 09:30

Matrix: Solid

Date Received: 07/29/24 14:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/31/24 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/30/24 21:04	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	14.4	mg/Kg		07/30/24 10:46	07/30/24 21:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 10:46	07/30/24 21:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/30/24 10:46	07/30/24 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/30/24 10:46	07/30/24 21:04	1
o-Terphenyl	96		70 - 130				07/30/24 10:46	07/30/24 21:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		4.99	0.394	mg/Kg			08/01/24 05:49	1

Client Sample ID: B-26

Lab Sample ID: 890-6962-22

Date Collected: 07/29/24 09:40

Matrix: Solid

Date Received: 07/29/24 14:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		07/30/24 11:00	07/31/24 01:08	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/24 11:00	07/31/24 01:08	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/30/24 11:00	07/31/24 01:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/30/24 11:00	07/31/24 01:08	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/30/24 11:00	07/31/24 01:08	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/30/24 11:00	07/31/24 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/30/24 11:00	07/31/24 01:08	1
1,4-Difluorobenzene (Surr)	74		70 - 130				07/30/24 11:00	07/31/24 01:08	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	0.00229	mg/Kg			07/31/24 01:08	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	15.1	mg/Kg			07/30/24 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/30/24 10:46	07/30/24 21:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/30/24 10:46	07/30/24 21:51	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-26

Lab Sample ID: 890-6962-22

Date Collected: 07/29/24 09:40

Matrix: Solid

Date Received: 07/29/24 14:16

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	15.1	mg/Kg	-	07/30/24 10:46	07/30/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/30/24 10:46	07/30/24 21:51	1
o-Terphenyl	86		70 - 130				07/30/24 10:46	07/30/24 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250	F1	5.02	0.397	mg/Kg	-		08/01/24 05:57	1

Client Sample ID: B - 38 - 3'

Lab Sample ID: 890-6967-1

Date Collected: 07/30/24 10:30

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg	-	07/31/24 09:48	07/31/24 13:49	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	07/31/24 09:48	07/31/24 13:49	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg	-	07/31/24 09:48	07/31/24 13:49	1
m-Xylene & p-Xylene	0.00368	J	0.00402	0.00229	mg/Kg	-	07/31/24 09:48	07/31/24 13:49	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg	-	07/31/24 09:48	07/31/24 13:49	1
Xylenes, Total	0.00368	J	0.00402	0.00229	mg/Kg	-	07/31/24 09:48	07/31/24 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/31/24 09:48	07/31/24 13:49	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/31/24 09:48	07/31/24 13:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00368	J	0.00402	0.00229	mg/Kg	-		07/31/24 13:49	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	15.1	mg/Kg	-		07/31/24 16:55	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 ** *1	50.0	14.5	mg/Kg	-	07/31/24 10:01	07/31/24 16:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	15.1	mg/Kg	-	07/31/24 10:01	07/31/24 16:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/31/24 10:01	07/31/24 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				07/31/24 10:01	07/31/24 16:55	1
o-Terphenyl	91		70 - 130				07/31/24 10:01	07/31/24 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		5.04	0.398	mg/Kg	-		08/01/24 06:21	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 39 - 3'

Lab Sample ID: 890-6967-2

Date Collected: 07/30/24 10:40

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/31/24 09:48	07/31/24 14:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/31/24 09:48	07/31/24 14:10	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/31/24 09:48	07/31/24 14:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/31/24 09:48	07/31/24 14:10	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/31/24 09:48	07/31/24 14:10	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/31/24 09:48	07/31/24 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/31/24 09:48	07/31/24 14:10	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/31/24 09:48	07/31/24 14:10	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	0.00228	mg/Kg			07/31/24 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/31/24 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U ** *1	49.9	14.5	mg/Kg		07/31/24 10:01	07/31/24 17:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9	15.1	mg/Kg		07/31/24 10:01	07/31/24 17:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/31/24 10:01	07/31/24 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	07/31/24 10:01	07/31/24 17:43	1
o-Terphenyl	97		70 - 130	07/31/24 10:01	07/31/24 17:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		4.99	0.394	mg/Kg			08/01/24 06:29	1

Client Sample ID: B - 40 - 3'

Lab Sample ID: 890-6967-3

Date Collected: 07/30/24 10:50

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/31/24 09:48	07/31/24 14:31	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/31/24 09:48	07/31/24 14:31	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/31/24 09:48	07/31/24 14:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/31/24 09:48	07/31/24 14:31	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/31/24 09:48	07/31/24 14:31	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/31/24 09:48	07/31/24 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/31/24 09:48	07/31/24 14:31	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/31/24 09:48	07/31/24 14:31	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 40 - 3'

Lab Sample ID: 890-6967-3

Date Collected: 07/30/24 10:50

Matrix: Solid

Date Received: 07/30/24 15:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg			07/31/24 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/31/24 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U ** *1	49.7	14.4	mg/Kg		07/31/24 10:01	07/31/24 17:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7	15.0	mg/Kg		07/31/24 10:01	07/31/24 17:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/31/24 10:01	07/31/24 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				07/31/24 10:01	07/31/24 17:59	1
o-Terphenyl	102		70 - 130				07/31/24 10:01	07/31/24 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		4.97	0.393	mg/Kg			08/01/24 06:53	1

Client Sample ID: B - 41 - 3'

Lab Sample ID: 890-6967-4

Date Collected: 07/30/24 11:00

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/31/24 09:48	07/31/24 14:51	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/31/24 09:48	07/31/24 14:51	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/31/24 09:48	07/31/24 14:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/31/24 09:48	07/31/24 14:51	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/31/24 09:48	07/31/24 14:51	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/31/24 09:48	07/31/24 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/31/24 09:48	07/31/24 14:51	1
1,4-Difluorobenzene (Surr)	85		70 - 130				07/31/24 09:48	07/31/24 14:51	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	0.00227	mg/Kg			07/31/24 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/31/24 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8	14.5	mg/Kg		07/31/24 10:01	07/31/24 18:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8	15.1	mg/Kg		07/31/24 10:01	07/31/24 18:14	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 41 - 3'

Lab Sample ID: 890-6967-4

Date Collected: 07/30/24 11:00

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/31/24 10:01	07/31/24 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/31/24 10:01	07/31/24 18:14	1
o-Terphenyl	111		70 - 130				07/31/24 10:01	07/31/24 18:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		5.00	0.395	mg/Kg	-		08/01/24 07:01	1

Client Sample ID: SW - 15 - 0 - 3'

Lab Sample ID: 890-6967-5

Date Collected: 07/30/24 11:10

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg	-	07/31/24 09:48	07/31/24 17:03	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	07/31/24 09:48	07/31/24 17:03	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg	-	07/31/24 09:48	07/31/24 17:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg	-	07/31/24 09:48	07/31/24 17:03	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg	-	07/31/24 09:48	07/31/24 17:03	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg	-	07/31/24 09:48	07/31/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/31/24 09:48	07/31/24 17:03	1
1,4-Difluorobenzene (Surr)	84		70 - 130				07/31/24 09:48	07/31/24 17:03	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	0.00230	mg/Kg	-		07/31/24 17:03	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	15.1	mg/Kg	-		07/31/24 18:30	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	<49.9	U ** *1	49.9	14.5	mg/Kg	-	07/31/24 10:01	07/31/24 18:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9	15.1	mg/Kg	-	07/31/24 10:01	07/31/24 18:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/31/24 10:01	07/31/24 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/31/24 10:01	07/31/24 18:30	1
o-Terphenyl	102		70 - 130				07/31/24 10:01	07/31/24 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.6		5.03	0.397	mg/Kg	-		08/01/24 07:09	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW - 16 - 0 - 3'

Lab Sample ID: 890-6967-6

Date Collected: 07/30/24 11:20

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/31/24 09:48	07/31/24 17:24	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/31/24 09:48	07/31/24 17:24	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/31/24 09:48	07/31/24 17:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/31/24 09:48	07/31/24 17:24	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/31/24 09:48	07/31/24 17:24	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/31/24 09:48	07/31/24 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/31/24 09:48	07/31/24 17:24	1
1,4-Difluorobenzene (Surr)	78		70 - 130	07/31/24 09:48	07/31/24 17:24	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	0.00228	mg/Kg			07/31/24 17:24	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	15.1	mg/Kg			07/31/24 18:45	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	<49.9	U ** *1	49.9	14.5	mg/Kg		07/31/24 10:01	07/31/24 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9	15.1	mg/Kg		07/31/24 10:01	07/31/24 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/31/24 10:01	07/31/24 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	07/31/24 10:01	07/31/24 18:45	1
o-Terphenyl	96		70 - 130	07/31/24 10:01	07/31/24 18:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		5.01	0.396	mg/Kg			08/01/24 07:17	1

Client Sample ID: SW - 17 - 0 - 3'

Lab Sample ID: 890-6967-7

Date Collected: 07/30/24 11:30

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/31/24 09:48	07/31/24 17:45	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/31/24 09:48	07/31/24 17:45	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/31/24 09:48	07/31/24 17:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/31/24 09:48	07/31/24 17:45	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/31/24 09:48	07/31/24 17:45	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/31/24 09:48	07/31/24 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/31/24 09:48	07/31/24 17:45	1
1,4-Difluorobenzene (Surr)	79		70 - 130	07/31/24 09:48	07/31/24 17:45	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW - 17 - 0 - 3'

Lab Sample ID: 890-6967-7

Date Collected: 07/30/24 11:30

Matrix: Solid

Date Received: 07/30/24 15:42

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	0.00227	mg/Kg			07/31/24 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/31/24 19:01	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 ** *1	49.8	14.5	mg/Kg		07/31/24 10:01	07/31/24 19:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8	15.1	mg/Kg		07/31/24 10:01	07/31/24 19:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/31/24 10:01	07/31/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/31/24 10:01	07/31/24 19:01	1
o-Terphenyl	107		70 - 130				07/31/24 10:01	07/31/24 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224		4.99	0.394	mg/Kg			08/01/24 07:25	1

Client Sample ID: SW - 18 - 0 - 3'

Lab Sample ID: 890-6967-8

Date Collected: 07/30/24 11:50

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/31/24 09:48	07/31/24 18:05	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/31/24 09:48	07/31/24 18:05	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/31/24 09:48	07/31/24 18:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/31/24 09:48	07/31/24 18:05	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/31/24 09:48	07/31/24 18:05	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/31/24 09:48	07/31/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/31/24 09:48	07/31/24 18:05	1
1,4-Difluorobenzene (Surr)	74		70 - 130				07/31/24 09:48	07/31/24 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/31/24 18:05	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	15.0	mg/Kg			07/31/24 19:16	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 ** *1	49.7	14.4	mg/Kg		07/31/24 10:01	07/31/24 19:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7	15.0	mg/Kg		07/31/24 10:01	07/31/24 19:16	1

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Client Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW - 18 - 0 - 3'

Lab Sample ID: 890-6967-8

Date Collected: 07/30/24 11:50

Matrix: Solid

Date Received: 07/30/24 15:42

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)	<49.7	U	49.7	15.0	mg/Kg	-	07/31/24 10:01	07/31/24 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130				07/31/24 10:01	07/31/24 19:16	1
o-Terphenyl	73		70 - 130				07/31/24 10:01	07/31/24 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.3		5.02	0.397	mg/Kg	-		08/01/24 07:32	1

Client Sample ID: BACKFILL

Lab Sample ID: 890-6967-9

Date Collected: 07/30/24 12:00

Matrix: Solid

Date Received: 07/30/24 15:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg	-	07/31/24 09:48	07/31/24 18:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/31/24 09:48	07/31/24 18:26	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/31/24 09:48	07/31/24 18:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/31/24 09:48	07/31/24 18:26	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/31/24 09:48	07/31/24 18:26	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/31/24 09:48	07/31/24 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/31/24 09:48	07/31/24 18:26	1
1,4-Difluorobenzene (Surr)	81		70 - 130				07/31/24 09:48	07/31/24 18:26	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	0.00228	mg/Kg	-		07/31/24 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg	-		07/31/24 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8	14.5	mg/Kg	-	07/31/24 10:01	07/31/24 19:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8	15.1	mg/Kg	-	07/31/24 10:01	07/31/24 19:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg	-	07/31/24 10:01	07/31/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/31/24 10:01	07/31/24 19:32	1
o-Terphenyl	105		70 - 130				07/31/24 10:01	07/31/24 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		5.05	0.399	mg/Kg	-		08/01/24 07:40	1

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Surrogate Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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)
890-6950-1	SW-1-0-4	144 S1+	98
890-6950-2	SW-2-0-4	140 S1+	107
890-6950-3	B-1-4	145 S1+	99
890-6950-4	B-2-4	143 S1+	108
890-6950-5	B-5-8	162 S1+	95
890-6950-6	SW-5-0-8	147 S1+	93
890-6952-1	B-3-0-5	115	86
890-6952-1 MS	B-3-0-5	114	92
890-6952-1 MSD	B-3-0-5	110	91
890-6952-2	SW-4-0-5	116	86
890-6952-3	SW-3-0--5	117	87
890-6952-4	B-4-0-5	115	86
890-6952-5	B-6-0-5	116	87
890-6956-1	B - 8 - 8'	122	88
890-6956-1 MS	B - 8 - 8'	121	90
890-6956-1 MSD	B - 8 - 8'	120	89
890-6956-2	SW - 7 - 0 - 3'	124	88
890-6956-3	B - 9 - 3'	122	88
890-6956-4	B - 11 - 3'	124	88
890-6956-5	B - 13 - 3'	122	87
890-6956-6	B - 15 - 3'	124	88
890-6956-7	B - 16 - 3'	124	88
890-6956-8	B - 17 - 3'	123	88
890-6956-9	B - 19 - 3'	123	88
890-6960-1	B-18	122	88
890-6960-2	B-27	124	88
890-6960-3	B-28	123	88
890-6960-4	B-30	124	88
890-6960-5	B-31	122	88
890-6960-6	B-32	125	88
890-6960-7	B-33	124	87
890-6960-8	SW-9	124	88
890-6960-9	SW-11	124	88
890-6962-1	B-29-4	111	108
890-6962-2	SW-10-0-4	109	103
890-6962-3	SW-12	102	104
890-6962-4	SW-6	111	108
890-6962-5	SW-8	105	104
890-6962-6	SW-13	107	101
890-6962-7	SW-14	102	100
890-6962-8	B-34	113	105
890-6962-9	B-35	106	106
890-6962-10	B-36	115	106
890-6962-11	B-37	105	103
890-6962-12	B-10	111	107
890-6962-13	B-12	110	107
890-6962-14	B-14	104	102
890-6962-15	B-7	111	104
890-6962-16	B-20	98	86

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Surrogate Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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)
890-6962-16 MS	B-20	127	96
890-6962-16 MSD	B-20	118	87
890-6962-17	B-21	113	73
890-6962-18	B-22	110	73
890-6962-19	B-23	106	74
890-6962-20	B-24	110	72
890-6962-21	B-25	110	73
890-6962-22	B-26	120	74
890-6967-1	B - 38 - 3'	114	87
890-6967-2	B - 39 - 3'	108	87
890-6967-3	B - 40 - 3'	111	89
890-6967-4	B - 41 - 3'	113	85
890-6967-5	SW - 15 - 0 - 3'	112	84
890-6967-6	SW - 16 - 0 - 3'	109	78
890-6967-7	SW - 17 - 0 - 3'	110	79
890-6967-8	SW - 18 - 0 - 3'	104	74
890-6967-9	BACKFILL	114	81
LCS 880-86460/1-A	Lab Control Sample	132 S1+	94
LCS 880-86461/1-A	Lab Control Sample	112	90
LCS 880-86771/1-A	Lab Control Sample	116	90
LCS 880-87021/1-A	Lab Control Sample	95	101
LCS 880-87036/1-A	Lab Control Sample	119	100
LCS 880-87116/1-A	Lab Control Sample	114	92
LCSD 880-86460/2-A	Lab Control Sample Dup	127	78
LCSD 880-86461/2-A	Lab Control Sample Dup	112	89
LCSD 880-86771/2-A	Lab Control Sample Dup	117	90
LCSD 880-87021/2-A	Lab Control Sample Dup	103	95
LCSD 880-87036/2-A	Lab Control Sample Dup	124	97
LCSD 880-87116/2-A	Lab Control Sample Dup	124	99
MB 880-86460/5-A	Method Blank	79	95
MB 880-86461/5-A	Method Blank	112	82
MB 880-86536/5-A	Method Blank	117	83
MB 880-86771/5-A	Method Blank	118	83
MB 880-86932/5-A	Method Blank	92	88
MB 880-87021/5-A	Method Blank	63 S1-	97
MB 880-87036/5-A	Method Blank	86	88
MB 880-87116/5-A	Method Blank	86	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)
890-6950-1	SW-1-0-4	99	87
890-6950-2	SW-2-0-4	99	90
890-6950-3	B-1-4	96	84

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Surrogate Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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)
890-6950-4	B-2-4	109	95
890-6950-5	B-5-8	103	96
890-6950-6	SW-5-0-8	99	178 S1+
890-6952-1	B-3-0-5	95	96
890-6952-2	SW-4-0-5	97	99
890-6952-3	SW-3-0--5	93	95
890-6952-4	B-4-0-5	99	99
890-6952-5	B-6-0-5	98	98
890-6956-1	B - 8 - 8'	110	111
890-6956-2	SW - 7 - 0 - 3'	107	105
890-6956-3	B - 9 - 3'	110	111
890-6956-4	B - 11 - 3'	105	105
890-6956-5	B - 13 - 3'	112	113
890-6956-6	B - 15 - 3'	109	108
890-6956-7	B - 16 - 3'	109	109
890-6956-8	B - 17 - 3'	203 S1+	207 S1+
890-6956-9	B - 19 - 3'	102	106
890-6960-1	B-18	79	67 S1-
890-6960-1 MS	B-18	69 S1-	70
890-6960-1 MSD	B-18	74	67 S1-
890-6960-2	B-27	86	75
890-6960-3	B-28	84	75
890-6960-4	B-30	85	76
890-6960-5	B-31	80	72
890-6960-6	B-32	93	86
890-6960-7	B-33	82	71
890-6960-8	SW-9	81	74
890-6960-9	SW-11	79	75
890-6962-1	B-29-4	120	121
890-6962-1 MS	B-29-4	117	127
890-6962-1 MSD	B-29-4	116	126
890-6962-2	SW-10-0-4	117	115
890-6962-3	SW-12	132 S1+	130
890-6962-4	SW-6	117	118
890-6962-5	SW-8	119	119
890-6962-6	SW-13	109	109
890-6962-7	SW-14	111	110
890-6962-8	B-34	120	121
890-6962-9	B-35	118	120
890-6962-10	B-36	104	105
890-6962-11	B-37	113	117
890-6962-12	B-10	129	128
890-6962-13	B-12	120	118
890-6962-14	B-14	124	122
890-6962-15	B-7	123	120
890-6962-16	B-20	112	112
890-6962-17	B-21	117	117
890-6962-18	B-22	122	121
890-6962-19	B-23	125	125
890-6962-20	B-24	123	121

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Surrogate Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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)
890-6962-21	B-25	106	96
890-6962-21 MS	B-25	97	91
890-6962-21 MSD	B-25	97	92
890-6962-22	B-26	96	86
890-6967-1	B - 38 - 3'	79	91
890-6967-1 MS	B - 38 - 3'	98	99
890-6967-1 MSD	B - 38 - 3'	98	98
890-6967-2	B - 39 - 3'	84	97
890-6967-3	B - 40 - 3'	88	102
890-6967-4	B - 41 - 3'	96	111
890-6967-5	SW - 15 - 0 - 3'	89	102
890-6967-6	SW - 16 - 0 - 3'	84	96
890-6967-7	SW - 17 - 0 - 3'	93	107
890-6967-8	SW - 18 - 0 - 3'	63 S1-	73
890-6967-9	BACKFILL	93	105
LCS 880-86400/2-A	Lab Control Sample	88	83
LCS 880-86481/2-A	Lab Control Sample	98	111
LCS 880-86704/2-A	Lab Control Sample	532 S1+	624 S1+
LCS 880-86707/2-A	Lab Control Sample	152 S1+	144 S1+
LCS 880-87001/2-A	Lab Control Sample	105	118
LCS 880-87034/2-A	Lab Control Sample	89	83
LCS 880-87117/2-A	Lab Control Sample	200 S1+	208 S1+
LCSD 880-86400/3-A	Lab Control Sample Dup	92	86
LCSD 880-86481/3-A	Lab Control Sample Dup	108	121
LCSD 880-86704/3-A	Lab Control Sample Dup	481 S1+	553 S1+
LCSD 880-86707/3-A	Lab Control Sample Dup	154 S1+	146 S1+
LCSD 880-87001/3-A	Lab Control Sample Dup	106	119
LCSD 880-87034/3-A	Lab Control Sample Dup	89	82
LCSD 880-87117/3-A	Lab Control Sample Dup	131 S1+	134 S1+
MB 880-86400/1-A	Method Blank	132 S1+	123
MB 880-86481/1-A	Method Blank	116	123
MB 880-86704/1-A	Method Blank	115	240 S1+
MB 880-86707/1-A	Method Blank	96	163 S1+
MB 880-87001/1-A	Method Blank	93	184 S1+
MB 880-87034/1-A	Method Blank	79	78
MB 880-87117/1-A	Method Blank	54 S1-	65 S1-

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86460/5-A

Matrix: Solid

Analysis Batch: 86449

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/24/24 08:48	07/24/24 12:30	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/24/24 08:48	07/24/24 12:30	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/24/24 08:48	07/24/24 12:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 08:48	07/24/24 12:30	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/24/24 08:48	07/24/24 12:30	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 08:48	07/24/24 12:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	07/24/24 08:48	07/24/24 12:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/24/24 08:48	07/24/24 12:30	1

Lab Sample ID: LCS 880-86460/1-A

Matrix: Solid

Analysis Batch: 86449

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86460

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1097		mg/Kg		110	70 - 130
Toluene	0.100	0.1099		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1172		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2289		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1178		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-86460/2-A

Matrix: Solid

Analysis Batch: 86449

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86460

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09433		mg/Kg		94	70 - 130	15	35
Toluene	0.100	0.09499		mg/Kg		95	70 - 130	15	35
Ethylbenzene	0.100	0.09781		mg/Kg		98	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.1900		mg/Kg		95	70 - 130	19	35
o-Xylene	0.100	0.09801		mg/Kg		98	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: MB 880-86461/5-A

Matrix: Solid

Analysis Batch: 86452

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/24/24 08:50	07/24/24 11:55	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/24/24 08:50	07/24/24 11:55	1

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: MB 880-86461/5-A

Matrix: Solid

Analysis Batch: 86452

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/24/24 08:50	07/24/24 11:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 08:50	07/24/24 11:55	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/24/24 08:50	07/24/24 11:55	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 08:50	07/24/24 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/24/24 08:50	07/24/24 11:55	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/24/24 08:50	07/24/24 11:55	1

Lab Sample ID: LCS 880-86461/1-A

Matrix: Solid

Analysis Batch: 86452

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09214		mg/Kg		92	70 - 130
Toluene	0.100	0.09159		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09497		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2041		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1045		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-86461/2-A

Matrix: Solid

Analysis Batch: 86452

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86461

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08819		mg/Kg		88	70 - 130	4	35
Toluene	0.100	0.08790		mg/Kg		88	70 - 130	4	35
Ethylbenzene	0.100	0.09128		mg/Kg		91	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1958		mg/Kg		98	70 - 130	4	35
o-Xylene	0.100	0.09993		mg/Kg		100	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-6952-1 MS

Matrix: Solid

Analysis Batch: 86452

Client Sample ID: B-3-0-5

Prep Type: Total/NA

Prep Batch: 86461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09540		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09027		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1953		mg/Kg		98	70 - 130

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: 890-6952-1 MS

Matrix: Solid

Analysis Batch: 86452

Client Sample ID: B-3-0-5

Prep Type: Total/NA

Prep Batch: 86461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.100	0.09761		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-6952-1 MSD

Matrix: Solid

Analysis Batch: 86452

Client Sample ID: B-3-0-5

Prep Type: Total/NA

Prep Batch: 86461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1025		mg/Kg		102	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09961		mg/Kg		100	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09938		mg/Kg		99	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2102		mg/Kg		105	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-86536/5-A

Matrix: Solid

Analysis Batch: 86743

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		07/24/24 15:45	07/26/24 22:44	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/24/24 15:45	07/26/24 22:44	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/24/24 15:45	07/26/24 22:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 15:45	07/26/24 22:44	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/24/24 15:45	07/26/24 22:44	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/24/24 15:45	07/26/24 22:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/24/24 15:45	07/26/24 22:44	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/24/24 15:45	07/26/24 22:44	1

Lab Sample ID: MB 880-86771/5-A

Matrix: Solid

Analysis Batch: 86743

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/26/24 10:37	07/27/24 09:39	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/26/24 10:37	07/27/24 09:39	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/26/24 10:37	07/27/24 09:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/26/24 10:37	07/27/24 09:39	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/26/24 10:37	07/27/24 09:39	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/26/24 10:37	07/27/24 09:39	1

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	07/26/24 10:37	07/27/24 09:39	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/26/24 10:37	07/27/24 09:39	1

Lab Sample ID: LCS 880-86771/1-A

Matrix: Solid

Analysis Batch: 86743

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1122		mg/Kg		112	70 - 130
Toluene	0.100	0.1062		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2177		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1110		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-86771/2-A

Matrix: Solid

Analysis Batch: 86743

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1153		mg/Kg		115	70 - 130	3	35
Toluene	0.100	0.1093		mg/Kg		109	70 - 130	3	35
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2272		mg/Kg		114	70 - 130	4	35
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-6956-1 MS

Matrix: Solid

Analysis Batch: 86743

Client Sample ID: B - 8 - 8'

Prep Type: Total/NA

Prep Batch: 86771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1072		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0996	0.1012		mg/Kg		102	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09651		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2099		mg/Kg		105	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1052		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: 890-6956-1 MSD

Matrix: Solid

Analysis Batch: 86743

Client Sample ID: B - 8 - 8'

Prep Type: Total/NA

Prep Batch: 86771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1033		mg/Kg		103	70 - 130	4	35
Toluene	<0.00199	U	0.100	0.09815		mg/Kg		98	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.09386		mg/Kg		94	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2046		mg/Kg		102	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.1031		mg/Kg		103	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-86932/5-A

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/29/24 15:26	07/30/24 11:28	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/29/24 15:26	07/30/24 11:28	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/29/24 15:26	07/30/24 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/29/24 15:26	07/30/24 11:28	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/29/24 15:26	07/30/24 11:28	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/29/24 15:26	07/30/24 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/29/24 15:26	07/30/24 11:28	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/29/24 15:26	07/30/24 11:28	1

Lab Sample ID: MB 880-87021/5-A

Matrix: Solid

Analysis Batch: 86997

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/30/24 10:10	07/30/24 12:29	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/30/24 10:10	07/30/24 12:29	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/30/24 10:10	07/30/24 12:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/30/24 10:10	07/30/24 12:29	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/30/24 10:10	07/30/24 12:29	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/30/24 10:10	07/30/24 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	07/30/24 10:10	07/30/24 12:29	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/30/24 10:10	07/30/24 12:29	1

Lab Sample ID: LCS 880-87021/1-A

Matrix: Solid

Analysis Batch: 86997

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1156		mg/Kg		116	70 - 130

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: LCS 880-87021/1-A

Matrix: Solid

Analysis Batch: 86997

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.1163		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1109		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2260		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1171		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-87021/2-A

Matrix: Solid

Analysis Batch: 86997

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87021

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1136		mg/Kg		114	70 - 130	2	35
Toluene	0.100	0.1171		mg/Kg		117	70 - 130	1	35
Ethylbenzene	0.100	0.1075		mg/Kg		108	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2199		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130	2	35

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

Lab Sample ID: MB 880-87036/5-A

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/30/24 11:00	07/30/24 22:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/30/24 11:00	07/30/24 22:42	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/30/24 11:00	07/30/24 22:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/30/24 11:00	07/30/24 22:42	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/30/24 11:00	07/30/24 22:42	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/30/24 11:00	07/30/24 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	07/30/24 11:00	07/30/24 22:42	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/30/24 11:00	07/30/24 22:42	1

Lab Sample ID: LCS 880-87036/1-A

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.1015		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1170		mg/Kg		117	70 - 130

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: LCS 880-87036/1-A

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	0.200	0.2418		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1190		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-87036/2-A

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1019		mg/Kg		102	70 - 130	1	35
Toluene	0.100	0.1022		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1227		mg/Kg		123	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2508		mg/Kg		125	70 - 130	4	35
o-Xylene	0.100	0.1234		mg/Kg		123	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6962-16 MS

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: B-20

Prep Type: Total/NA

Prep Batch: 87036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.100	0.08452		mg/Kg		85	70 - 130
Toluene	<0.00202	U	0.100	0.08863		mg/Kg		89	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.2197		mg/Kg		110	70 - 130
o-Xylene	<0.00202	U	0.100	0.1094		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-6962-16 MSD

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: B-20

Prep Type: Total/NA

Prep Batch: 87036

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.100	0.06674	F1	mg/Kg		67	70 - 130	24	35
Toluene	<0.00202	U	0.100	0.07608		mg/Kg		76	70 - 130	15	35
Ethylbenzene	<0.00202	U	0.100	0.09045		mg/Kg		90	70 - 130	19	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1775		mg/Kg		89	70 - 130	21	35
o-Xylene	<0.00202	U	0.100	0.08873		mg/Kg		89	70 - 130	21	35

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: 890-6962-16 MSD

Matrix: Solid

Analysis Batch: 86998

Client Sample ID: B-20

Prep Type: Total/NA

Prep Batch: 87036

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-87116/5-A

Matrix: Solid

Analysis Batch: 87103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87116

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/31/24 09:48	07/31/24 11:24	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/31/24 09:48	07/31/24 11:24	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/31/24 09:48	07/31/24 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/31/24 09:48	07/31/24 11:24	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/31/24 09:48	07/31/24 11:24	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/31/24 09:48	07/31/24 11:24	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	86		70 - 130	07/31/24 09:48	07/31/24 11:24	1			
1,4-Difluorobenzene (Surr)	88		70 - 130	07/31/24 09:48	07/31/24 11:24	1			

Lab Sample ID: LCS 880-87116/1-A

Matrix: Solid

Analysis Batch: 87103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87116

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Benzene	0.100	0.1127		mg/Kg		113		70 - 130	
Toluene	0.100	0.1061		mg/Kg		106		70 - 130	
Ethylbenzene	0.100	0.1215		mg/Kg		122		70 - 130	
m-Xylene & p-Xylene	0.200	0.2461		mg/Kg		123		70 - 130	
o-Xylene	0.100	0.1243		mg/Kg		124		70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-87116/2-A

Matrix: Solid

Analysis Batch: 87103

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87116

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1107		mg/Kg		111		70 - 130	2	35
Toluene	0.100	0.1000		mg/Kg		100		70 - 130	6	35
Ethylbenzene	0.100	0.1056		mg/Kg		106		70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2212		mg/Kg		111		70 - 130	11	35
o-Xylene	0.100	0.1089		mg/Kg		109		70 - 130	13	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: LCSD 880-87116/2-A

Matrix: Solid

Analysis Batch: 87103

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87116

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

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

Lab Sample ID: MB 880-86400/1-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86400

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/23/24 14:47	07/25/24 09:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/23/24 14:47	07/25/24 09:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/23/24 14:47	07/25/24 09:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				07/23/24 14:47	07/25/24 09:10	1
o-Terphenyl	123		70 - 130				07/23/24 14:47	07/25/24 09:10	1

Lab Sample ID: LCS 880-86400/2-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86400

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1091		mg/Kg		109		70 - 130	
Diesel Range Organics (Over C10-C28)	1000	916.0		mg/Kg		92		70 - 130	
Surrogate		LCS	LCS						
	%Recovery	Qualifier	Limits						
1-Chlorooctane	88		70 - 130						
o-Terphenyl	83		70 - 130						

Lab Sample ID: LCSD 880-86400/3-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86400

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	964.4		mg/Kg		96		12	20	
Diesel Range Organics (Over C10-C28)	1000	806.2		mg/Kg		81		13	20	
Surrogate		LCSD	LCSD							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	86		70 - 130							

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: MB 880-86481/1-A

Matrix: Solid

Analysis Batch: 86534

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/24/24 10:23	07/24/24 12:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/24/24 10:23	07/24/24 12:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/24/24 10:23	07/24/24 12:18	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				07/24/24 10:23	07/24/24 12:18	1
o-Terphenyl	123		70 - 130				07/24/24 10:23	07/24/24 12:18	1

Lab Sample ID: LCS 880-86481/2-A

Matrix: Solid

Analysis Batch: 86534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	926.6		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	997.9		mg/Kg		100	70 - 130	
Surrogate	%Recovery	LCS Qualifier	Limits					
1-Chlorooctane	98		70 - 130					
o-Terphenyl	111		70 - 130					

Lab Sample ID: LCSD 880-86481/3-A

Matrix: Solid

Analysis Batch: 86534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86481

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1033		mg/Kg		103	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130	8	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	108		70 - 130						
o-Terphenyl	121		70 - 130						

Lab Sample ID: MB 880-86704/1-A

Matrix: Solid

Analysis Batch: 86810

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86704

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/25/24 16:27	07/27/24 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/25/24 16:27	07/27/24 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/25/24 16:27	07/27/24 00:58	1

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: MB 880-86704/1-A

Matrix: Solid

Analysis Batch: 86810

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86704

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier			Analyzed	
1-Chlorooctane	115		70 - 130	07/25/24 16:27	07/27/24 00:58	1
o-Terphenyl	240	S1+	70 - 130	07/25/24 16:27	07/27/24 00:58	1

Lab Sample ID: LCS 880-86704/2-A

Matrix: Solid

Analysis Batch: 86810

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86704

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	3474	*+	mg/Kg		347	70 - 130
Diesel Range Organics (Over C10-C28)	1000	5845	*+	mg/Kg		585	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	532	S1+	70 - 130
o-Terphenyl	624	S1+	70 - 130

Lab Sample ID: LCSD 880-86704/3-A

Matrix: Solid

Analysis Batch: 86810

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86704

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	3390	*+	mg/Kg		339	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	5078	*+	mg/Kg		508	70 - 130	14	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	481	S1+	70 - 130
o-Terphenyl	553	S1+	70 - 130

Lab Sample ID: MB 880-86707/1-A

Matrix: Solid

Analysis Batch: 86808

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86707

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/25/24 16:36	07/27/24 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/25/24 16:36	07/27/24 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/25/24 16:36	07/27/24 00:58	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	96		70 - 130	07/25/24 16:36	07/27/24 00:58	1
o-Terphenyl	163	S1+	70 - 130	07/25/24 16:36	07/27/24 00:58	1

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: LCS 880-86707/2-A

Matrix: Solid

Analysis Batch: 86808

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86707

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1495	*+	mg/Kg		150	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1352	*+	mg/Kg		135	70 - 130		

Lab Sample ID: LCSD 880-86707/3-A

Matrix: Solid

Analysis Batch: 86808

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86707

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Analyte											
Gasoline Range Organics (GRO)-C6-C10			1000	1507	*+	mg/Kg		151	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1369	*+	mg/Kg		137	70 - 130	1	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	154	S1+	70 - 130								
o-Terphenyl	146	S1+	70 - 130								

Lab Sample ID: 890-6960-1 MS

Matrix: Solid

Analysis Batch: 86808

Client Sample ID: B-18

Prep Type: Total/NA

Prep Batch: 86707

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	999	982.6		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	863.8		mg/Kg		86	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	69	S1-	70 - 130								
o-Terphenyl	70		70 - 130								

Lab Sample ID: 890-6960-1 MSD

Matrix: Solid

Analysis Batch: 86808

Client Sample ID: B-18

Prep Type: Total/NA

Prep Batch: 86707

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	999	978.4		mg/Kg	-	98	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	815.6		mg/Kg		82	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	74		70 - 130								

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: 890-6960-1 MSD
Matrix: Solid
Analysis Batch: 86808

Client Sample ID: B-18
Prep Type: Total/NA
Prep Batch: 86707

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: MB 880-87001/1-A
Matrix: Solid
Analysis Batch: 87032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87001

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg	-	07/30/24 08:43	07/30/24 09:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 09:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/30/24 08:43	07/30/24 09:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/30/24 08:43	07/30/24 09:30	1
o-Terphenyl	184	S1+	70 - 130				07/30/24 08:43	07/30/24 09:30	1

Lab Sample ID: LCS 880-87001/2-A
Matrix: Solid
Analysis Batch: 87032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87001

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1135		mg/Kg	-	114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1170		mg/Kg	-	117	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	105		70 - 130				
o-Terphenyl	118		70 - 130				

Lab Sample ID: LCSD 880-87001/3-A
Matrix: Solid
Analysis Batch: 87032

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87001

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1160		mg/Kg	-	116	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1182		mg/Kg	-	118	70 - 130	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	119		70 - 130						

QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: 890-6962-1 MS

Matrix: Solid

Analysis Batch: 87032

Client Sample ID: B-29-4

Prep Type: Total/NA

Prep Batch: 87001

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1034		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1103		mg/Kg		110	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	127		70 - 130								

Lab Sample ID: 890-6962-1 MSD

Matrix: Solid

Analysis Batch: 87032

Client Sample ID: B-29-4

Prep Type: Total/NA

Prep Batch: 87001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1022		mg/Kg		102	70 - 130	1	20 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1088		mg/Kg		109	70 - 130	1	20 - 130
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	126		70 - 130								

Lab Sample ID: MB 880-87034/1-A

Matrix: Solid

Analysis Batch: 87030

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87034

Analyte	MB	MB	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/30/24 10:46	07/30/24 20:16		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/30/24 10:46	07/30/24 20:16		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/30/24 10:46	07/30/24 20:16		1	
Surrogate	MB	MB	Limits				Prepared		Analyzed		Dil Fac
%Recovery		Qualifier									
1-Chlorooctane	79		70 - 130				07/30/24 10:46	07/30/24 20:16		1	
o-Terphenyl	78		70 - 130				07/30/24 10:46	07/30/24 20:16		1	

Lab Sample ID: LCS 880-87034/2-A

Matrix: Solid

Analysis Batch: 87030

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87034

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	1000	1101		mg/Kg		110	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	880.9		mg/Kg		88	70 - 130	

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: LCS 880-87034/2-A
Matrix: Solid
Analysis Batch: 87030

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87034

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-87034/3-A
Matrix: Solid
Analysis Batch: 87030

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87034

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1097		mg/Kg		110	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	873.7		mg/Kg		87	70 - 130	1	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	82		70 - 130								

Lab Sample ID: 890-6962-21 MS
Matrix: Solid
Analysis Batch: 87030

Client Sample ID: B-25
Prep Type: Total/NA
Prep Batch: 87034

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	993	1010		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	993	866.7		mg/Kg		87	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 890-6962-21 MSD
Matrix: Solid
Analysis Batch: 87030

Client Sample ID: B-25
Prep Type: Total/NA
Prep Batch: 87034

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	<49.7	U	993	1030		mg/Kg		104	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.7	U	993	897.2		mg/Kg		90	70 - 130	3	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	92		70 - 130								

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: MB 880-87117/1-A

Matrix: Solid

Analysis Batch: 87133

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/31/24 10:01	07/31/24 11:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/31/24 10:01	07/31/24 11:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/31/24 10:01	07/31/24 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	54	S1-	70 - 130	07/31/24 10:01	07/31/24 11:39	1
o-Terphenyl	65	S1-	70 - 130	07/31/24 10:01	07/31/24 11:39	1

Lab Sample ID: LCS 880-87117/2-A

Matrix: Solid

Analysis Batch: 87133

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87117

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1449	*+	mg/Kg		145	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1934	*+	mg/Kg		193	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	200	S1+	70 - 130
o-Terphenyl	208	S1+	70 - 130

Lab Sample ID: LCSD 880-87117/3-A

Matrix: Solid

Analysis Batch: 87133

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87117

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1076	*1	mg/Kg		108	70 - 130	30	20
Diesel Range Organics (Over C10-C28)	1000	1238	*1	mg/Kg		124	70 - 130	44	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: 890-6967-1 MS

Matrix: Solid

Analysis Batch: 87133

Client Sample ID: B - 38 - 3'

Prep Type: Total/NA

Prep Batch: 87117

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	998	876.7		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	998	896.0		mg/Kg		90	70 - 130

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

Lab Sample ID: 890-6967-1 MS

Matrix: Solid

Analysis Batch: 87133

Client Sample ID: B - 38 - 3'

Prep Type: Total/NA

Prep Batch: 87117

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-6967-1 MSD

Matrix: Solid

Analysis Batch: 87133

Client Sample ID: B - 38 - 3'

Prep Type: Total/NA

Prep Batch: 87117

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 *+ *1	998	874.0		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	998	914.0		mg/Kg		92	70 - 130	2	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86544/1-A

Matrix: Solid

Analysis Batch: 86601

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			07/24/24 20:36	1

Lab Sample ID: LCS 880-86544/2-A

Matrix: Solid

Analysis Batch: 86601

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.8		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-86544/3-A

Matrix: Solid

Analysis Batch: 86601

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	269.9		mg/Kg		108	90 - 110	9	20

Lab Sample ID: 890-6950-1 MS

Matrix: Solid

Analysis Batch: 86601

Client Sample ID: SW-1-0-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	326	F1	252	607.2	F1	mg/Kg		112	90 - 110

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6950-1 MSD

Matrix: Solid

Analysis Batch: 86601

Client Sample ID: SW-1-0-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	326	F1	252	605.8	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: MB 880-86622/1-A

Matrix: Solid

Analysis Batch: 86656

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			07/26/24 12:04	1

Lab Sample ID: LCS 880-86622/2-A

Matrix: Solid

Analysis Batch: 86656

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 880-86622/3-A

Matrix: Solid

Analysis Batch: 86656

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	249.0		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-86800/1-A

Matrix: Solid

Analysis Batch: 86805

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			07/28/24 02:05	1

Lab Sample ID: LCS 880-86800/2-A

Matrix: Solid

Analysis Batch: 86805

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.9		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-86800/3-A

Matrix: Solid

Analysis Batch: 86805

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	227.4		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 890-6956-9 MS

Matrix: Solid

Analysis Batch: 86805

Client Sample ID: B - 19 - 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	48.3	F1	249	260.3	F1	mg/Kg		85	90 - 110

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6956-9 MSD

Matrix: Solid

Analysis Batch: 86805

Client Sample ID: B - 19 - 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	48.3	F1	249	258.9	F1	mg/Kg		85	90 - 110	1	20

Lab Sample ID: MB 880-86784/1-A

Matrix: Solid

Analysis Batch: 86823

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			07/29/24 18:00	1

Lab Sample ID: LCS 880-86784/2-A

Matrix: Solid

Analysis Batch: 86823

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.0		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-86784/3-A

Matrix: Solid

Analysis Batch: 86823

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	232.0		mg/Kg		93	90 - 110	1	20

Lab Sample ID: MB 880-87046/1-A

Matrix: Solid

Analysis Batch: 87071

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			07/30/24 18:56	1

Lab Sample ID: LCS 880-87046/2-A

Matrix: Solid

Analysis Batch: 87071

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.0		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-87046/3-A

Matrix: Solid

Analysis Batch: 87071

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	256.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-6962-4 MS

Matrix: Solid

Analysis Batch: 87071

Client Sample ID: SW-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	477		248	738.6		mg/Kg		105	90 - 110

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QC Sample Results

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6962-4 MSD

Matrix: Solid

Analysis Batch: 87071

Client Sample ID: SW-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	477		248	740.0		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-87172/1-A

Matrix: Solid

Analysis Batch: 87182

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			08/01/24 03:42	1

Lab Sample ID: LCS 880-87172/2-A

Matrix: Solid

Analysis Batch: 87182

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-87172/3-A

Matrix: Solid

Analysis Batch: 87182

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.1		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 890-6962-12 MS

Matrix: Solid

Analysis Batch: 87182

Client Sample ID: B-10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	203	F1	248	417.8	F1	mg/Kg		87	90 - 110

Lab Sample ID: 890-6962-12 MSD

Matrix: Solid

Analysis Batch: 87182

Client Sample ID: B-10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	203	F1	248	418.9	F1	mg/Kg		87	90 - 110	0	20

Lab Sample ID: 890-6962-22 MS

Matrix: Solid

Analysis Batch: 87182

Client Sample ID: B-26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	F1	251	467.5	F1	mg/Kg		87	90 - 110

Lab Sample ID: 890-6962-22 MSD

Matrix: Solid

Analysis Batch: 87182

Client Sample ID: B-26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	F1	251	466.6	F1	mg/Kg		86	90 - 110	0	20

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC VOA

Analysis Batch: 86449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Total/NA	Solid	8021B	86460
890-6950-2	SW-2-0-4	Total/NA	Solid	8021B	86460
890-6950-3	B-1-4	Total/NA	Solid	8021B	86460
890-6950-4	B-2-4	Total/NA	Solid	8021B	86460
890-6950-5	B-5-8	Total/NA	Solid	8021B	86460
890-6950-6	SW-5-0-8	Total/NA	Solid	8021B	86460
MB 880-86460/5-A	Method Blank	Total/NA	Solid	8021B	86460
LCS 880-86460/1-A	Lab Control Sample	Total/NA	Solid	8021B	86460
LCSD 880-86460/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86460

Analysis Batch: 86452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Total/NA	Solid	8021B	86461
890-6952-2	SW-4-0-5	Total/NA	Solid	8021B	86461
890-6952-3	SW-3-0--5	Total/NA	Solid	8021B	86461
890-6952-4	B-4-0-5	Total/NA	Solid	8021B	86461
890-6952-5	B-6-0-5	Total/NA	Solid	8021B	86461
MB 880-86461/5-A	Method Blank	Total/NA	Solid	8021B	86461
LCS 880-86461/1-A	Lab Control Sample	Total/NA	Solid	8021B	86461
LCSD 880-86461/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86461
890-6952-1 MS	B-3-0-5	Total/NA	Solid	8021B	86461
890-6952-1 MSD	B-3-0-5	Total/NA	Solid	8021B	86461

Prep Batch: 86460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Total/NA	Solid	5030B	
890-6950-2	SW-2-0-4	Total/NA	Solid	5030B	
890-6950-3	B-1-4	Total/NA	Solid	5030B	
890-6950-4	B-2-4	Total/NA	Solid	5030B	
890-6950-5	B-5-8	Total/NA	Solid	5030B	
890-6950-6	SW-5-0-8	Total/NA	Solid	5030B	
MB 880-86460/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-86460/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-86460/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 86461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Total/NA	Solid	5030B	
890-6952-2	SW-4-0-5	Total/NA	Solid	5030B	
890-6952-3	SW-3-0--5	Total/NA	Solid	5030B	
890-6952-4	B-4-0-5	Total/NA	Solid	5030B	
890-6952-5	B-6-0-5	Total/NA	Solid	5030B	
MB 880-86461/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-86461/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-86461/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-6952-1 MS	B-3-0-5	Total/NA	Solid	5030B	
890-6952-1 MSD	B-3-0-5	Total/NA	Solid	5030B	

Prep Batch: 86536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-86536/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC VOA

Analysis Batch: 86558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Total/NA	Solid	Total BTEX	
890-6950-2	SW-2-0-4	Total/NA	Solid	Total BTEX	
890-6950-3	B-1-4	Total/NA	Solid	Total BTEX	
890-6950-4	B-2-4	Total/NA	Solid	Total BTEX	
890-6950-5	B-5-8	Total/NA	Solid	Total BTEX	
890-6950-6	SW-5-0-8	Total/NA	Solid	Total BTEX	

Analysis Batch: 86564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Total/NA	Solid	Total BTEX	
890-6952-2	SW-4-0-5	Total/NA	Solid	Total BTEX	
890-6952-3	SW-3-0--5	Total/NA	Solid	Total BTEX	
890-6952-4	B-4-0-5	Total/NA	Solid	Total BTEX	
890-6952-5	B-6-0-5	Total/NA	Solid	Total BTEX	

Analysis Batch: 86743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Total/NA	Solid	8021B	86771
890-6956-2	SW - 7 - 0 - 3'	Total/NA	Solid	8021B	86771
890-6956-3	B - 9 - 3'	Total/NA	Solid	8021B	86771
890-6956-4	B - 11 - 3'	Total/NA	Solid	8021B	86771
890-6956-5	B - 13 - 3'	Total/NA	Solid	8021B	86771
890-6956-6	B - 15 - 3'	Total/NA	Solid	8021B	86771
890-6956-7	B - 16 - 3'	Total/NA	Solid	8021B	86771
890-6956-8	B - 17 - 3'	Total/NA	Solid	8021B	86771
890-6956-9	B - 19 - 3'	Total/NA	Solid	8021B	86771
890-6960-1	B-18	Total/NA	Solid	8021B	86771
890-6960-2	B-27	Total/NA	Solid	8021B	86771
890-6960-3	B-28	Total/NA	Solid	8021B	86771
890-6960-4	B-30	Total/NA	Solid	8021B	86771
890-6960-5	B-31	Total/NA	Solid	8021B	86771
890-6960-6	B-32	Total/NA	Solid	8021B	86771
890-6960-7	B-33	Total/NA	Solid	8021B	86771
890-6960-8	SW-9	Total/NA	Solid	8021B	86771
890-6960-9	SW-11	Total/NA	Solid	8021B	86771
MB 880-86536/5-A	Method Blank	Total/NA	Solid	8021B	86536
MB 880-86771/5-A	Method Blank	Total/NA	Solid	8021B	86771
LCS 880-86771/1-A	Lab Control Sample	Total/NA	Solid	8021B	86771
LCSD 880-86771/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86771
890-6956-1 MS	B - 8 - 8'	Total/NA	Solid	8021B	86771
890-6956-1 MSD	B - 8 - 8'	Total/NA	Solid	8021B	86771

Prep Batch: 86771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Total/NA	Solid	5030B	
890-6956-2	SW - 7 - 0 - 3'	Total/NA	Solid	5030B	
890-6956-3	B - 9 - 3'	Total/NA	Solid	5030B	
890-6956-4	B - 11 - 3'	Total/NA	Solid	5030B	
890-6956-5	B - 13 - 3'	Total/NA	Solid	5030B	
890-6956-6	B - 15 - 3'	Total/NA	Solid	5030B	
890-6956-7	B - 16 - 3'	Total/NA	Solid	5030B	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC VOA (Continued)

Prep Batch: 86771 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-8	B - 17 - 3'	Total/NA	Solid	5030B	
890-6956-9	B - 19 - 3'	Total/NA	Solid	5030B	
890-6960-1	B-18	Total/NA	Solid	5030B	
890-6960-2	B-27	Total/NA	Solid	5030B	
890-6960-3	B-28	Total/NA	Solid	5030B	
890-6960-4	B-30	Total/NA	Solid	5030B	
890-6960-5	B-31	Total/NA	Solid	5030B	
890-6960-6	B-32	Total/NA	Solid	5030B	
890-6960-7	B-33	Total/NA	Solid	5030B	
890-6960-8	SW-9	Total/NA	Solid	5030B	
890-6960-9	SW-11	Total/NA	Solid	5030B	
MB 880-86771/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-86771/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-86771/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-6956-1 MS	B - 8 - 8'	Total/NA	Solid	5030B	
890-6956-1 MSD	B - 8 - 8'	Total/NA	Solid	5030B	

Analysis Batch: 86927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Total/NA	Solid	Total BTEX	
890-6956-2	SW - 7 - 0 - 3'	Total/NA	Solid	Total BTEX	
890-6956-3	B - 9 - 3'	Total/NA	Solid	Total BTEX	
890-6956-4	B - 11 - 3'	Total/NA	Solid	Total BTEX	
890-6956-5	B - 13 - 3'	Total/NA	Solid	Total BTEX	
890-6956-6	B - 15 - 3'	Total/NA	Solid	Total BTEX	
890-6956-7	B - 16 - 3'	Total/NA	Solid	Total BTEX	
890-6956-8	B - 17 - 3'	Total/NA	Solid	Total BTEX	
890-6956-9	B - 19 - 3'	Total/NA	Solid	Total BTEX	

Analysis Batch: 86928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6960-1	B-18	Total/NA	Solid	Total BTEX	
890-6960-2	B-27	Total/NA	Solid	Total BTEX	
890-6960-3	B-28	Total/NA	Solid	Total BTEX	
890-6960-4	B-30	Total/NA	Solid	Total BTEX	
890-6960-5	B-31	Total/NA	Solid	Total BTEX	
890-6960-6	B-32	Total/NA	Solid	Total BTEX	
890-6960-7	B-33	Total/NA	Solid	Total BTEX	
890-6960-8	SW-9	Total/NA	Solid	Total BTEX	
890-6960-9	SW-11	Total/NA	Solid	Total BTEX	

Prep Batch: 86932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-86932/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 86997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Total/NA	Solid	8021B	87021
890-6962-2	SW-10-0-4	Total/NA	Solid	8021B	87021
890-6962-3	SW-12	Total/NA	Solid	8021B	87021
890-6962-4	SW-6	Total/NA	Solid	8021B	87021

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC VOA (Continued)

Analysis Batch: 86997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-5	SW-8	Total/NA	Solid	8021B	87021
890-6962-6	SW-13	Total/NA	Solid	8021B	87021
890-6962-7	SW-14	Total/NA	Solid	8021B	87021
890-6962-8	B-34	Total/NA	Solid	8021B	87021
890-6962-9	B-35	Total/NA	Solid	8021B	87021
890-6962-10	B-36	Total/NA	Solid	8021B	87021
890-6962-11	B-37	Total/NA	Solid	8021B	87021
890-6962-12	B-10	Total/NA	Solid	8021B	87021
890-6962-13	B-12	Total/NA	Solid	8021B	87021
890-6962-14	B-14	Total/NA	Solid	8021B	87021
890-6962-15	B-7	Total/NA	Solid	8021B	87021
MB 880-87021/5-A	Method Blank	Total/NA	Solid	8021B	87021
LCS 880-87021/1-A	Lab Control Sample	Total/NA	Solid	8021B	87021
LCSD 880-87021/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87021

Analysis Batch: 86998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-16	B-20	Total/NA	Solid	8021B	87036
890-6962-17	B-21	Total/NA	Solid	8021B	87036
890-6962-18	B-22	Total/NA	Solid	8021B	87036
890-6962-19	B-23	Total/NA	Solid	8021B	87036
890-6962-20	B-24	Total/NA	Solid	8021B	87036
890-6962-21	B-25	Total/NA	Solid	8021B	87036
890-6962-22	B-26	Total/NA	Solid	8021B	87036
MB 880-86932/5-A	Method Blank	Total/NA	Solid	8021B	86932
MB 880-87036/5-A	Method Blank	Total/NA	Solid	8021B	87036
LCS 880-87036/1-A	Lab Control Sample	Total/NA	Solid	8021B	87036
LCSD 880-87036/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87036
890-6962-16 MS	B-20	Total/NA	Solid	8021B	87036
890-6962-16 MSD	B-20	Total/NA	Solid	8021B	87036

Prep Batch: 87021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Total/NA	Solid	5030B	
890-6962-2	SW-10-0-4	Total/NA	Solid	5030B	
890-6962-3	SW-12	Total/NA	Solid	5030B	
890-6962-4	SW-6	Total/NA	Solid	5030B	
890-6962-5	SW-8	Total/NA	Solid	5030B	
890-6962-6	SW-13	Total/NA	Solid	5030B	
890-6962-7	SW-14	Total/NA	Solid	5030B	
890-6962-8	B-34	Total/NA	Solid	5030B	
890-6962-9	B-35	Total/NA	Solid	5030B	
890-6962-10	B-36	Total/NA	Solid	5030B	
890-6962-11	B-37	Total/NA	Solid	5030B	
890-6962-12	B-10	Total/NA	Solid	5030B	
890-6962-13	B-12	Total/NA	Solid	5030B	
890-6962-14	B-14	Total/NA	Solid	5030B	
890-6962-15	B-7	Total/NA	Solid	5030B	
MB 880-87021/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-87021/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-87021/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC VOA

Prep Batch: 87036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-16	B-20	Total/NA	Solid	5030B	
890-6962-17	B-21	Total/NA	Solid	5030B	
890-6962-18	B-22	Total/NA	Solid	5030B	
890-6962-19	B-23	Total/NA	Solid	5030B	
890-6962-20	B-24	Total/NA	Solid	5030B	
890-6962-21	B-25	Total/NA	Solid	5030B	
890-6962-22	B-26	Total/NA	Solid	5030B	
MB 880-87036/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-87036/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-87036/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-6962-16 MS	B-20	Total/NA	Solid	5030B	
890-6962-16 MSD	B-20	Total/NA	Solid	5030B	

Analysis Batch: 87103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6967-1	B - 38 - 3'	Total/NA	Solid	8021B	87116
890-6967-2	B - 39 - 3'	Total/NA	Solid	8021B	87116
890-6967-3	B - 40 - 3'	Total/NA	Solid	8021B	87116
890-6967-4	B - 41 - 3'	Total/NA	Solid	8021B	87116
890-6967-5	SW - 15 - 0 - 3'	Total/NA	Solid	8021B	87116
890-6967-6	SW - 16 - 0 - 3'	Total/NA	Solid	8021B	87116
890-6967-7	SW - 17 - 0 - 3'	Total/NA	Solid	8021B	87116
890-6967-8	SW - 18 - 0 - 3'	Total/NA	Solid	8021B	87116
890-6967-9	BACKFILL	Total/NA	Solid	8021B	87116
MB 880-87116/5-A	Method Blank	Total/NA	Solid	8021B	87116
LCS 880-87116/1-A	Lab Control Sample	Total/NA	Solid	8021B	87116
LCSD 880-87116/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87116

Prep Batch: 87116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6967-1	B - 38 - 3'	Total/NA	Solid	5030B	
890-6967-2	B - 39 - 3'	Total/NA	Solid	5030B	
890-6967-3	B - 40 - 3'	Total/NA	Solid	5030B	
890-6967-4	B - 41 - 3'	Total/NA	Solid	5030B	
890-6967-5	SW - 15 - 0 - 3'	Total/NA	Solid	5030B	
890-6967-6	SW - 16 - 0 - 3'	Total/NA	Solid	5030B	
890-6967-7	SW - 17 - 0 - 3'	Total/NA	Solid	5030B	
890-6967-8	SW - 18 - 0 - 3'	Total/NA	Solid	5030B	
890-6967-9	BACKFILL	Total/NA	Solid	5030B	
MB 880-87116/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-87116/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-87116/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 87166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Total/NA	Solid	Total BTEX	
890-6962-2	SW-10-0-4	Total/NA	Solid	Total BTEX	
890-6962-3	SW-12	Total/NA	Solid	Total BTEX	
890-6962-4	SW-6	Total/NA	Solid	Total BTEX	
890-6962-5	SW-8	Total/NA	Solid	Total BTEX	
890-6962-6	SW-13	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC VOA (Continued)

Analysis Batch: 87166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-7	SW-14	Total/NA	Solid	Total BTEX	
890-6962-8	B-34	Total/NA	Solid	Total BTEX	
890-6962-9	B-35	Total/NA	Solid	Total BTEX	
890-6962-10	B-36	Total/NA	Solid	Total BTEX	
890-6962-11	B-37	Total/NA	Solid	Total BTEX	
890-6962-12	B-10	Total/NA	Solid	Total BTEX	
890-6962-13	B-12	Total/NA	Solid	Total BTEX	
890-6962-14	B-14	Total/NA	Solid	Total BTEX	
890-6962-15	B-7	Total/NA	Solid	Total BTEX	
890-6962-16	B-20	Total/NA	Solid	Total BTEX	
890-6962-17	B-21	Total/NA	Solid	Total BTEX	
890-6962-18	B-22	Total/NA	Solid	Total BTEX	
890-6962-19	B-23	Total/NA	Solid	Total BTEX	
890-6962-20	B-24	Total/NA	Solid	Total BTEX	
890-6962-21	B-25	Total/NA	Solid	Total BTEX	
890-6962-22	B-26	Total/NA	Solid	Total BTEX	

Analysis Batch: 87250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6967-1	B - 38 - 3'	Total/NA	Solid	Total BTEX	
890-6967-2	B - 39 - 3'	Total/NA	Solid	Total BTEX	
890-6967-3	B - 40 - 3'	Total/NA	Solid	Total BTEX	
890-6967-4	B - 41 - 3'	Total/NA	Solid	Total BTEX	
890-6967-5	SW - 15 - 0 - 3'	Total/NA	Solid	Total BTEX	
890-6967-6	SW - 16 - 0 - 3'	Total/NA	Solid	Total BTEX	
890-6967-7	SW - 17 - 0 - 3'	Total/NA	Solid	Total BTEX	
890-6967-8	SW - 18 - 0 - 3'	Total/NA	Solid	Total BTEX	
890-6967-9	BACKFILL	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 86400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Total/NA	Solid	8015NM Prep	
890-6950-2	SW-2-0-4	Total/NA	Solid	8015NM Prep	
890-6950-3	B-1-4	Total/NA	Solid	8015NM Prep	
890-6950-4	B-2-4	Total/NA	Solid	8015NM Prep	
890-6950-5	B-5-8	Total/NA	Solid	8015NM Prep	
890-6950-6	SW-5-0-8	Total/NA	Solid	8015NM Prep	
MB 880-86400/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86400/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86400/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 86481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Total/NA	Solid	8015NM Prep	
890-6952-2	SW-4-0-5	Total/NA	Solid	8015NM Prep	
890-6952-3	SW-3-0--5	Total/NA	Solid	8015NM Prep	
890-6952-4	B-4-0-5	Total/NA	Solid	8015NM Prep	
890-6952-5	B-6-0-5	Total/NA	Solid	8015NM Prep	
MB 880-86481/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC Semi VOA (Continued)

Prep Batch: 86481 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-86481/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86481/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Total/NA	Solid	8015B NM	86400
890-6950-2	SW-2-0-4	Total/NA	Solid	8015B NM	86400
890-6950-3	B-1-4	Total/NA	Solid	8015B NM	86400
890-6950-4	B-2-4	Total/NA	Solid	8015B NM	86400
890-6950-5	B-5-8	Total/NA	Solid	8015B NM	86400
890-6950-6	SW-5-0-8	Total/NA	Solid	8015B NM	86400
MB 880-86400/1-A	Method Blank	Total/NA	Solid	8015B NM	86400
LCS 880-86400/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86400
LCSD 880-86400/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86400

Analysis Batch: 86534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Total/NA	Solid	8015B NM	86481
890-6952-2	SW-4-0-5	Total/NA	Solid	8015B NM	86481
890-6952-3	SW-3-0--5	Total/NA	Solid	8015B NM	86481
890-6952-4	B-4-0-5	Total/NA	Solid	8015B NM	86481
890-6952-5	B-6-0-5	Total/NA	Solid	8015B NM	86481
MB 880-86481/1-A	Method Blank	Total/NA	Solid	8015B NM	86481
LCS 880-86481/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86481
LCSD 880-86481/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86481

Analysis Batch: 86636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Total/NA	Solid	8015 NM	
890-6952-2	SW-4-0-5	Total/NA	Solid	8015 NM	
890-6952-3	SW-3-0--5	Total/NA	Solid	8015 NM	
890-6952-4	B-4-0-5	Total/NA	Solid	8015 NM	
890-6952-5	B-6-0-5	Total/NA	Solid	8015 NM	

Prep Batch: 86704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Total/NA	Solid	8015NM Prep	
890-6956-2	SW - 7 - 0 - 3'	Total/NA	Solid	8015NM Prep	
890-6956-3	B - 9 - 3'	Total/NA	Solid	8015NM Prep	
890-6956-4	B - 11 - 3'	Total/NA	Solid	8015NM Prep	
890-6956-5	B - 13 - 3'	Total/NA	Solid	8015NM Prep	
890-6956-6	B - 15 - 3'	Total/NA	Solid	8015NM Prep	
890-6956-7	B - 16 - 3'	Total/NA	Solid	8015NM Prep	
890-6956-8	B - 17 - 3'	Total/NA	Solid	8015NM Prep	
890-6956-9	B - 19 - 3'	Total/NA	Solid	8015NM Prep	
MB 880-86704/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86704/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC Semi VOA

Prep Batch: 86707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6960-1	B-18	Total/NA	Solid	8015NM Prep	
890-6960-2	B-27	Total/NA	Solid	8015NM Prep	
890-6960-3	B-28	Total/NA	Solid	8015NM Prep	
890-6960-4	B-30	Total/NA	Solid	8015NM Prep	
890-6960-5	B-31	Total/NA	Solid	8015NM Prep	
890-6960-6	B-32	Total/NA	Solid	8015NM Prep	
890-6960-7	B-33	Total/NA	Solid	8015NM Prep	
890-6960-8	SW-9	Total/NA	Solid	8015NM Prep	
890-6960-9	SW-11	Total/NA	Solid	8015NM Prep	
MB 880-86707/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86707/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86707/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6960-1 MS	B-18	Total/NA	Solid	8015NM Prep	
890-6960-1 MSD	B-18	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Total/NA	Solid	8015 NM	
890-6950-2	SW-2-0-4	Total/NA	Solid	8015 NM	
890-6950-3	B-1-4	Total/NA	Solid	8015 NM	
890-6950-4	B-2-4	Total/NA	Solid	8015 NM	
890-6950-5	B-5-8	Total/NA	Solid	8015 NM	
890-6950-6	SW-5-0-8	Total/NA	Solid	8015 NM	

Analysis Batch: 86808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6960-1	B-18	Total/NA	Solid	8015B NM	86707
890-6960-2	B-27	Total/NA	Solid	8015B NM	86707
890-6960-3	B-28	Total/NA	Solid	8015B NM	86707
890-6960-4	B-30	Total/NA	Solid	8015B NM	86707
890-6960-5	B-31	Total/NA	Solid	8015B NM	86707
890-6960-6	B-32	Total/NA	Solid	8015B NM	86707
890-6960-7	B-33	Total/NA	Solid	8015B NM	86707
890-6960-8	SW-9	Total/NA	Solid	8015B NM	86707
890-6960-9	SW-11	Total/NA	Solid	8015B NM	86707
MB 880-86707/1-A	Method Blank	Total/NA	Solid	8015B NM	86707
LCS 880-86707/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86707
LCSD 880-86707/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86707
890-6960-1 MS	B-18	Total/NA	Solid	8015B NM	86707
890-6960-1 MSD	B-18	Total/NA	Solid	8015B NM	86707

Analysis Batch: 86810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Total/NA	Solid	8015B NM	86704
890-6956-2	SW - 7 - 0 - 3'	Total/NA	Solid	8015B NM	86704
890-6956-3	B - 9 - 3'	Total/NA	Solid	8015B NM	86704
890-6956-4	B - 11 - 3'	Total/NA	Solid	8015B NM	86704
890-6956-5	B - 13 - 3'	Total/NA	Solid	8015B NM	86704
890-6956-6	B - 15 - 3'	Total/NA	Solid	8015B NM	86704
890-6956-7	B - 16 - 3'	Total/NA	Solid	8015B NM	86704
890-6956-8	B - 17 - 3'	Total/NA	Solid	8015B NM	86704

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC Semi VOA (Continued)

Analysis Batch: 86810 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-9	B - 19 - 3'	Total/NA	Solid	8015B NM	86704
MB 880-86704/1-A	Method Blank	Total/NA	Solid	8015B NM	86704
LCS 880-86704/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86704
LCSD 880-86704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86704

Analysis Batch: 86880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6960-1	B-18	Total/NA	Solid	8015 NM	
890-6960-2	B-27	Total/NA	Solid	8015 NM	
890-6960-3	B-28	Total/NA	Solid	8015 NM	
890-6960-4	B-30	Total/NA	Solid	8015 NM	
890-6960-5	B-31	Total/NA	Solid	8015 NM	
890-6960-6	B-32	Total/NA	Solid	8015 NM	
890-6960-7	B-33	Total/NA	Solid	8015 NM	
890-6960-8	SW-9	Total/NA	Solid	8015 NM	
890-6960-9	SW-11	Total/NA	Solid	8015 NM	

Analysis Batch: 86883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Total/NA	Solid	8015 NM	
890-6956-2	SW - 7 - 0 - 3'	Total/NA	Solid	8015 NM	
890-6956-3	B - 9 - 3'	Total/NA	Solid	8015 NM	
890-6956-4	B - 11 - 3'	Total/NA	Solid	8015 NM	
890-6956-5	B - 13 - 3'	Total/NA	Solid	8015 NM	
890-6956-6	B - 15 - 3'	Total/NA	Solid	8015 NM	
890-6956-7	B - 16 - 3'	Total/NA	Solid	8015 NM	
890-6956-8	B - 17 - 3'	Total/NA	Solid	8015 NM	
890-6956-9	B - 19 - 3'	Total/NA	Solid	8015 NM	

Prep Batch: 87001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Total/NA	Solid	8015NM Prep	
890-6962-2	SW-10-0-4	Total/NA	Solid	8015NM Prep	
890-6962-3	SW-12	Total/NA	Solid	8015NM Prep	
890-6962-4	SW-6	Total/NA	Solid	8015NM Prep	
890-6962-5	SW-8	Total/NA	Solid	8015NM Prep	
890-6962-6	SW-13	Total/NA	Solid	8015NM Prep	
890-6962-7	SW-14	Total/NA	Solid	8015NM Prep	
890-6962-8	B-34	Total/NA	Solid	8015NM Prep	
890-6962-9	B-35	Total/NA	Solid	8015NM Prep	
890-6962-10	B-36	Total/NA	Solid	8015NM Prep	
890-6962-11	B-37	Total/NA	Solid	8015NM Prep	
890-6962-12	B-10	Total/NA	Solid	8015NM Prep	
890-6962-13	B-12	Total/NA	Solid	8015NM Prep	
890-6962-14	B-14	Total/NA	Solid	8015NM Prep	
890-6962-15	B-7	Total/NA	Solid	8015NM Prep	
890-6962-16	B-20	Total/NA	Solid	8015NM Prep	
890-6962-17	B-21	Total/NA	Solid	8015NM Prep	
890-6962-18	B-22	Total/NA	Solid	8015NM Prep	
890-6962-19	B-23	Total/NA	Solid	8015NM Prep	
890-6962-20	B-24	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC Semi VOA (Continued)

Prep Batch: 87001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87001/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87001/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6962-1 MS	B-29-4	Total/NA	Solid	8015NM Prep	
890-6962-1 MSD	B-29-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-21	B-25	Total/NA	Solid	8015B NM	87034
890-6962-22	B-26	Total/NA	Solid	8015B NM	87034
MB 880-87034/1-A	Method Blank	Total/NA	Solid	8015B NM	87034
LCS 880-87034/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87034
LCSD 880-87034/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87034
890-6962-21 MS	B-25	Total/NA	Solid	8015B NM	87034
890-6962-21 MSD	B-25	Total/NA	Solid	8015B NM	87034

Analysis Batch: 87032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Total/NA	Solid	8015B NM	87001
890-6962-2	SW-10-0-4	Total/NA	Solid	8015B NM	87001
890-6962-3	SW-12	Total/NA	Solid	8015B NM	87001
890-6962-4	SW-6	Total/NA	Solid	8015B NM	87001
890-6962-5	SW-8	Total/NA	Solid	8015B NM	87001
890-6962-6	SW-13	Total/NA	Solid	8015B NM	87001
890-6962-7	SW-14	Total/NA	Solid	8015B NM	87001
890-6962-8	B-34	Total/NA	Solid	8015B NM	87001
890-6962-9	B-35	Total/NA	Solid	8015B NM	87001
890-6962-10	B-36	Total/NA	Solid	8015B NM	87001
890-6962-11	B-37	Total/NA	Solid	8015B NM	87001
890-6962-12	B-10	Total/NA	Solid	8015B NM	87001
890-6962-13	B-12	Total/NA	Solid	8015B NM	87001
890-6962-14	B-14	Total/NA	Solid	8015B NM	87001
890-6962-15	B-7	Total/NA	Solid	8015B NM	87001
890-6962-16	B-20	Total/NA	Solid	8015B NM	87001
890-6962-17	B-21	Total/NA	Solid	8015B NM	87001
890-6962-18	B-22	Total/NA	Solid	8015B NM	87001
890-6962-19	B-23	Total/NA	Solid	8015B NM	87001
890-6962-20	B-24	Total/NA	Solid	8015B NM	87001
MB 880-87001/1-A	Method Blank	Total/NA	Solid	8015B NM	87001
LCS 880-87001/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87001
LCSD 880-87001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87001
890-6962-1 MS	B-29-4	Total/NA	Solid	8015B NM	87001
890-6962-1 MSD	B-29-4	Total/NA	Solid	8015B NM	87001

Prep Batch: 87034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-21	B-25	Total/NA	Solid	8015NM Prep	
890-6962-22	B-26	Total/NA	Solid	8015NM Prep	
MB 880-87034/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87034/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87034/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC Semi VOA (Continued)

Prep Batch: 87034 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-21 MS	B-25	Total/NA	Solid	8015NM Prep	
890-6962-21 MSD	B-25	Total/NA	Solid	8015NM Prep	

Prep Batch: 87117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6967-1	B - 38 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-2	B - 39 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-3	B - 40 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-4	B - 41 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-5	SW - 15 - 0 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-6	SW - 16 - 0 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-7	SW - 17 - 0 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-8	SW - 18 - 0 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-9	BACKFILL	Total/NA	Solid	8015NM Prep	
MB 880-87117/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87117/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6967-1 MS	B - 38 - 3'	Total/NA	Solid	8015NM Prep	
890-6967-1 MSD	B - 38 - 3'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Total/NA	Solid	8015 NM	
890-6962-2	SW-10-0-4	Total/NA	Solid	8015 NM	
890-6962-3	SW-12	Total/NA	Solid	8015 NM	
890-6962-4	SW-6	Total/NA	Solid	8015 NM	
890-6962-5	SW-8	Total/NA	Solid	8015 NM	
890-6962-6	SW-13	Total/NA	Solid	8015 NM	
890-6962-7	SW-14	Total/NA	Solid	8015 NM	
890-6962-8	B-34	Total/NA	Solid	8015 NM	
890-6962-9	B-35	Total/NA	Solid	8015 NM	
890-6962-10	B-36	Total/NA	Solid	8015 NM	
890-6962-11	B-37	Total/NA	Solid	8015 NM	
890-6962-12	B-10	Total/NA	Solid	8015 NM	
890-6962-13	B-12	Total/NA	Solid	8015 NM	
890-6962-14	B-14	Total/NA	Solid	8015 NM	
890-6962-15	B-7	Total/NA	Solid	8015 NM	
890-6962-16	B-20	Total/NA	Solid	8015 NM	
890-6962-17	B-21	Total/NA	Solid	8015 NM	
890-6962-18	B-22	Total/NA	Solid	8015 NM	
890-6962-19	B-23	Total/NA	Solid	8015 NM	
890-6962-20	B-24	Total/NA	Solid	8015 NM	
890-6962-21	B-25	Total/NA	Solid	8015 NM	
890-6962-22	B-26	Total/NA	Solid	8015 NM	

Analysis Batch: 87133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6967-1	B - 38 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-2	B - 39 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-3	B - 40 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-4	B - 41 - 3'	Total/NA	Solid	8015B NM	87117

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

GC Semi VOA (Continued)

Analysis Batch: 87133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6967-5	SW - 15 - 0 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-6	SW - 16 - 0 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-7	SW - 17 - 0 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-8	SW - 18 - 0 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-9	BACKFILL	Total/NA	Solid	8015B NM	87117
MB 880-87117/1-A	Method Blank	Total/NA	Solid	8015B NM	87117
LCS 880-87117/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87117
LCSD 880-87117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87117
890-6967-1 MS	B - 38 - 3'	Total/NA	Solid	8015B NM	87117
890-6967-1 MSD	B - 38 - 3'	Total/NA	Solid	8015B NM	87117

Analysis Batch: 87269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6967-1	B - 38 - 3'	Total/NA	Solid	8015 NM	
890-6967-2	B - 39 - 3'	Total/NA	Solid	8015 NM	
890-6967-3	B - 40 - 3'	Total/NA	Solid	8015 NM	
890-6967-4	B - 41 - 3'	Total/NA	Solid	8015 NM	
890-6967-5	SW - 15 - 0 - 3'	Total/NA	Solid	8015 NM	
890-6967-6	SW - 16 - 0 - 3'	Total/NA	Solid	8015 NM	
890-6967-7	SW - 17 - 0 - 3'	Total/NA	Solid	8015 NM	
890-6967-8	SW - 18 - 0 - 3'	Total/NA	Solid	8015 NM	
890-6967-9	BACKFILL	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 86544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Soluble	Solid	DI Leach	
890-6950-2	SW-2-0-4	Soluble	Solid	DI Leach	
890-6950-3	B-1-4	Soluble	Solid	DI Leach	
890-6950-4	B-2-4	Soluble	Solid	DI Leach	
890-6950-5	B-5-8	Soluble	Solid	DI Leach	
890-6950-6	SW-5-0-8	Soluble	Solid	DI Leach	
MB 880-86544/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86544/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86544/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6950-1 MS	SW-1-0-4	Soluble	Solid	DI Leach	
890-6950-1 MSD	SW-1-0-4	Soluble	Solid	DI Leach	

Analysis Batch: 86601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1	SW-1-0-4	Soluble	Solid	300.0	86544
890-6950-2	SW-2-0-4	Soluble	Solid	300.0	86544
890-6950-3	B-1-4	Soluble	Solid	300.0	86544
890-6950-4	B-2-4	Soluble	Solid	300.0	86544
890-6950-5	B-5-8	Soluble	Solid	300.0	86544
890-6950-6	SW-5-0-8	Soluble	Solid	300.0	86544
MB 880-86544/1-A	Method Blank	Soluble	Solid	300.0	86544
LCS 880-86544/2-A	Lab Control Sample	Soluble	Solid	300.0	86544
LCSD 880-86544/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86544
890-6950-1 MS	SW-1-0-4	Soluble	Solid	300.0	86544

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

HPLC/IC (Continued)

Analysis Batch: 86601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6950-1 MSD	SW-1-0-4	Soluble	Solid	300.0	86544

Leach Batch: 86622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Soluble	Solid	DI Leach	
890-6952-2	SW-4-0-5	Soluble	Solid	DI Leach	
890-6952-3	SW-3-0--5	Soluble	Solid	DI Leach	
890-6952-4	B-4-0-5	Soluble	Solid	DI Leach	
890-6952-5	B-6-0-5	Soluble	Solid	DI Leach	
MB 880-86622/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86622/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86622/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 86656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6952-1	B-3-0-5	Soluble	Solid	300.0	86622
890-6952-2	SW-4-0-5	Soluble	Solid	300.0	86622
890-6952-3	SW-3-0--5	Soluble	Solid	300.0	86622
890-6952-4	B-4-0-5	Soluble	Solid	300.0	86622
890-6952-5	B-6-0-5	Soluble	Solid	300.0	86622
MB 880-86622/1-A	Method Blank	Soluble	Solid	300.0	86622
LCS 880-86622/2-A	Lab Control Sample	Soluble	Solid	300.0	86622
LCSD 880-86622/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86622

Leach Batch: 86784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Soluble	Solid	DI Leach	
890-6956-2	SW - 7 - 0 - 3'	Soluble	Solid	DI Leach	
890-6956-3	B - 9 - 3'	Soluble	Solid	DI Leach	
890-6956-4	B - 11 - 3'	Soluble	Solid	DI Leach	
890-6956-5	B - 13 - 3'	Soluble	Solid	DI Leach	
890-6956-6	B - 15 - 3'	Soluble	Solid	DI Leach	
890-6956-7	B - 16 - 3'	Soluble	Solid	DI Leach	
MB 880-86784/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86784/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86784/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 86800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-8	B - 17 - 3'	Soluble	Solid	DI Leach	
890-6956-9	B - 19 - 3'	Soluble	Solid	DI Leach	
890-6960-1	B-18	Soluble	Solid	DI Leach	
890-6960-2	B-27	Soluble	Solid	DI Leach	
890-6960-3	B-28	Soluble	Solid	DI Leach	
890-6960-4	B-30	Soluble	Solid	DI Leach	
890-6960-5	B-31	Soluble	Solid	DI Leach	
890-6960-6	B-32	Soluble	Solid	DI Leach	
890-6960-7	B-33	Soluble	Solid	DI Leach	
890-6960-8	SW-9	Soluble	Solid	DI Leach	
890-6960-9	SW-11	Soluble	Solid	DI Leach	
MB 880-86800/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

HPLC/IC (Continued)

Leach Batch: 86800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-86800/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86800/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6956-9 MS	B - 19 - 3'	Soluble	Solid	DI Leach	
890-6956-9 MSD	B - 19 - 3'	Soluble	Solid	DI Leach	

Analysis Batch: 86805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-8	B - 17 - 3'	Soluble	Solid	300.0	86800
890-6956-9	B - 19 - 3'	Soluble	Solid	300.0	86800
890-6960-1	B-18	Soluble	Solid	300.0	86800
890-6960-2	B-27	Soluble	Solid	300.0	86800
890-6960-3	B-28	Soluble	Solid	300.0	86800
890-6960-4	B-30	Soluble	Solid	300.0	86800
890-6960-5	B-31	Soluble	Solid	300.0	86800
890-6960-6	B-32	Soluble	Solid	300.0	86800
890-6960-7	B-33	Soluble	Solid	300.0	86800
890-6960-8	SW-9	Soluble	Solid	300.0	86800
890-6960-9	SW-11	Soluble	Solid	300.0	86800
MB 880-86800/1-A	Method Blank	Soluble	Solid	300.0	86800
LCS 880-86800/2-A	Lab Control Sample	Soluble	Solid	300.0	86800
LCSD 880-86800/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86800
890-6956-9 MS	B - 19 - 3'	Soluble	Solid	300.0	86800
890-6956-9 MSD	B - 19 - 3'	Soluble	Solid	300.0	86800

Analysis Batch: 86823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6956-1	B - 8 - 8'	Soluble	Solid	300.0	86784
890-6956-2	SW - 7 - 0 - 3'	Soluble	Solid	300.0	86784
890-6956-3	B - 9 - 3'	Soluble	Solid	300.0	86784
890-6956-4	B - 11 - 3'	Soluble	Solid	300.0	86784
890-6956-5	B - 13 - 3'	Soluble	Solid	300.0	86784
890-6956-6	B - 15 - 3'	Soluble	Solid	300.0	86784
890-6956-7	B - 16 - 3'	Soluble	Solid	300.0	86784
MB 880-86784/1-A	Method Blank	Soluble	Solid	300.0	86784
LCS 880-86784/2-A	Lab Control Sample	Soluble	Solid	300.0	86784
LCSD 880-86784/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86784

Leach Batch: 87046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Soluble	Solid	DI Leach	
890-6962-2	SW-10-0-4	Soluble	Solid	DI Leach	
890-6962-3	SW-12	Soluble	Solid	DI Leach	
890-6962-4	SW-6	Soluble	Solid	DI Leach	
890-6962-5	SW-8	Soluble	Solid	DI Leach	
890-6962-6	SW-13	Soluble	Solid	DI Leach	
890-6962-7	SW-14	Soluble	Solid	DI Leach	
890-6962-8	B-34	Soluble	Solid	DI Leach	
890-6962-9	B-35	Soluble	Solid	DI Leach	
890-6962-10	B-36	Soluble	Solid	DI Leach	
890-6962-11	B-37	Soluble	Solid	DI Leach	
MB 880-87046/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

HPLC/IC (Continued)

Leach Batch: 87046 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-87046/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87046/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6962-4 MS	SW-6	Soluble	Solid	DI Leach	
890-6962-4 MSD	SW-6	Soluble	Solid	DI Leach	

Analysis Batch: 87071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-1	B-29-4	Soluble	Solid	300.0	87046
890-6962-2	SW-10-0-4	Soluble	Solid	300.0	87046
890-6962-3	SW-12	Soluble	Solid	300.0	87046
890-6962-4	SW-6	Soluble	Solid	300.0	87046
890-6962-5	SW-8	Soluble	Solid	300.0	87046
890-6962-6	SW-13	Soluble	Solid	300.0	87046
890-6962-7	SW-14	Soluble	Solid	300.0	87046
890-6962-8	B-34	Soluble	Solid	300.0	87046
890-6962-9	B-35	Soluble	Solid	300.0	87046
890-6962-10	B-36	Soluble	Solid	300.0	87046
890-6962-11	B-37	Soluble	Solid	300.0	87046
MB 880-87046/1-A	Method Blank	Soluble	Solid	300.0	87046
LCS 880-87046/2-A	Lab Control Sample	Soluble	Solid	300.0	87046
LCSD 880-87046/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87046
890-6962-4 MS	SW-6	Soluble	Solid	300.0	87046
890-6962-4 MSD	SW-6	Soluble	Solid	300.0	87046

Leach Batch: 87172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-12	B-10	Soluble	Solid	DI Leach	
890-6962-13	B-12	Soluble	Solid	DI Leach	
890-6962-14	B-14	Soluble	Solid	DI Leach	
890-6962-15	B-7	Soluble	Solid	DI Leach	
890-6962-16	B-20	Soluble	Solid	DI Leach	
890-6962-17	B-21	Soluble	Solid	DI Leach	
890-6962-18	B-22	Soluble	Solid	DI Leach	
890-6962-19	B-23	Soluble	Solid	DI Leach	
890-6962-20	B-24	Soluble	Solid	DI Leach	
890-6962-21	B-25	Soluble	Solid	DI Leach	
890-6962-22	B-26	Soluble	Solid	DI Leach	
890-6967-1	B - 38 - 3'	Soluble	Solid	DI Leach	
890-6967-2	B - 39 - 3'	Soluble	Solid	DI Leach	
890-6967-3	B - 40 - 3'	Soluble	Solid	DI Leach	
890-6967-4	B - 41 - 3'	Soluble	Solid	DI Leach	
890-6967-5	SW - 15 - 0 - 3'	Soluble	Solid	DI Leach	
890-6967-6	SW - 16 - 0 - 3'	Soluble	Solid	DI Leach	
890-6967-7	SW - 17 - 0 - 3'	Soluble	Solid	DI Leach	
890-6967-8	SW - 18 - 0 - 3'	Soluble	Solid	DI Leach	
890-6967-9	BACKFILL	Soluble	Solid	DI Leach	
MB 880-87172/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87172/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87172/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6962-12 MS	B-10	Soluble	Solid	DI Leach	
890-6962-12 MSD	B-10	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

HPLC/IC (Continued)

Leach Batch: 87172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-22 MS	B-26	Soluble	Solid	DI Leach	
890-6962-22 MSD	B-26	Soluble	Solid	DI Leach	

Analysis Batch: 87182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6962-12	B-10	Soluble	Solid	300.0	87172
890-6962-13	B-12	Soluble	Solid	300.0	87172
890-6962-14	B-14	Soluble	Solid	300.0	87172
890-6962-15	B-7	Soluble	Solid	300.0	87172
890-6962-16	B-20	Soluble	Solid	300.0	87172
890-6962-17	B-21	Soluble	Solid	300.0	87172
890-6962-18	B-22	Soluble	Solid	300.0	87172
890-6962-19	B-23	Soluble	Solid	300.0	87172
890-6962-20	B-24	Soluble	Solid	300.0	87172
890-6962-21	B-25	Soluble	Solid	300.0	87172
890-6962-22	B-26	Soluble	Solid	300.0	87172
890-6967-1	B - 38 - 3'	Soluble	Solid	300.0	87172
890-6967-2	B - 39 - 3'	Soluble	Solid	300.0	87172
890-6967-3	B - 40 - 3'	Soluble	Solid	300.0	87172
890-6967-4	B - 41 - 3'	Soluble	Solid	300.0	87172
890-6967-5	SW - 15 - 0 - 3'	Soluble	Solid	300.0	87172
890-6967-6	SW - 16 - 0 - 3'	Soluble	Solid	300.0	87172
890-6967-7	SW - 17 - 0 - 3'	Soluble	Solid	300.0	87172
890-6967-8	SW - 18 - 0 - 3'	Soluble	Solid	300.0	87172
890-6967-9	BACKFILL	Soluble	Solid	300.0	87172
MB 880-87172/1-A	Method Blank	Soluble	Solid	300.0	87172
LCS 880-87172/2-A	Lab Control Sample	Soluble	Solid	300.0	87172
LCSD 880-87172/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87172
890-6962-12 MS	B-10	Soluble	Solid	300.0	87172
890-6962-12 MSD	B-10	Soluble	Solid	300.0	87172
890-6962-22 MS	B-26	Soluble	Solid	300.0	87172
890-6962-22 MSD	B-26	Soluble	Solid	300.0	87172

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-1-0-4

Lab Sample ID: 890-6950-1

Date Collected: 07/22/24 09:00

Matrix: Solid

Date Received: 07/22/24 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	86460	07/24/24 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86449	07/24/24 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86558	07/24/24 14:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			86790	07/25/24 15:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86400	07/23/24 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86530	07/25/24 15:07	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86544	07/24/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86601	07/24/24 22:23	CH	EET MID

Client Sample ID: SW-2-0-4

Lab Sample ID: 890-6950-2

Date Collected: 07/22/24 09:10

Matrix: Solid

Date Received: 07/22/24 16:47

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	86460	07/24/24 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86449	07/24/24 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86558	07/24/24 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			86790	07/25/24 16:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86400	07/23/24 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86530	07/25/24 16:02	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86544	07/24/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86601	07/24/24 22:39	CH	EET MID

Client Sample ID: B-1-4

Lab Sample ID: 890-6950-3

Date Collected: 07/22/24 09:30

Matrix: Solid

Date Received: 07/22/24 16:47

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	86460	07/24/24 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86449	07/24/24 15:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86558	07/24/24 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			86790	07/25/24 16:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	86400	07/23/24 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86530	07/25/24 16:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86544	07/24/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86601	07/24/24 22:44	CH	EET MID

Client Sample ID: B-2-4

Lab Sample ID: 890-6950-4

Date Collected: 07/22/24 09:40

Matrix: Solid

Date Received: 07/22/24 16:47

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	86460	07/24/24 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86449	07/24/24 16:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86558	07/24/24 16:07	SM	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-2-4

Date Collected: 07/22/24 09:40

Date Received: 07/22/24 16:47

Lab Sample ID: 890-6950-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			86790	07/25/24 16:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86400	07/23/24 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86530	07/25/24 16:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	86544	07/24/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86601	07/24/24 23:02	CH	EET MID

Client Sample ID: B-5-8

Date Collected: 07/22/24 10:50

Date Received: 07/22/24 16:47

Lab Sample ID: 890-6950-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	86460	07/24/24 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86449	07/24/24 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86558	07/24/24 16:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			86790	07/25/24 16:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	86400	07/23/24 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86530	07/25/24 16:56	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86544	07/24/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86601	07/24/24 23:08	CH	EET MID

Client Sample ID: SW-5-0-8

Date Collected: 07/22/24 11:00

Date Received: 07/22/24 16:47

Lab Sample ID: 890-6950-6

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	5030B			5.03 g	5 mL	86460	07/24/24 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86449	07/24/24 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86558	07/24/24 17:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			86790	07/25/24 17:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	86400	07/23/24 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86530	07/25/24 17:36	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86544	07/24/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86601	07/24/24 23:13	CH	EET MID

Client Sample ID: B-3-0-5

Date Collected: 07/23/24 09:00

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	86461	07/24/24 08:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86452	07/24/24 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86564	07/24/24 12:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			86636	07/24/24 18:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	86481	07/24/24 10:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86534	07/24/24 18:29	TKC	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-3-0-5

Date Collected: 07/23/24 09:00

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	86622	07/25/24 10:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86656	07/26/24 13:39	SMC	EET MID

Client Sample ID: SW-4-0-5

Date Collected: 07/23/24 09:50

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	86461	07/24/24 08:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86452	07/24/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86564	07/24/24 12:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			86636	07/24/24 18:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	86481	07/24/24 10:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86534	07/24/24 18:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86622	07/25/24 10:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86656	07/26/24 13:46	SMC	EET MID

Client Sample ID: SW-3-0--5

Date Collected: 07/23/24 10:30

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	86461	07/24/24 08:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86452	07/24/24 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86564	07/24/24 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			86636	07/24/24 19:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	86481	07/24/24 10:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86534	07/24/24 19:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86622	07/25/24 10:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86656	07/26/24 13:54	SMC	EET MID

Client Sample ID: B-4-0-5

Date Collected: 07/23/24 13:55

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	86461	07/24/24 08:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86452	07/24/24 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86564	07/24/24 13:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			86636	07/24/24 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86481	07/24/24 10:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86534	07/24/24 19:23	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86622	07/25/24 10:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86656	07/26/24 14:02	SMC	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-6-0-5

Date Collected: 07/23/24 14:05

Date Received: 07/23/24 16:44

Lab Sample ID: 890-6952-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	86461	07/24/24 08:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86452	07/24/24 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86564	07/24/24 13:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			86636	07/24/24 19:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86481	07/24/24 10:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86534	07/24/24 19:40	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86622	07/25/24 10:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86656	07/26/24 14:10	SMC	EET MID

Client Sample ID: B - 8 - 8'

Date Collected: 07/24/24 08:30

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 10:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 05:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 05:35	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86784	07/26/24 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86823	07/29/24 21:10	CH	EET MID

Client Sample ID: SW - 7 - 0 - 3'

Date Collected: 07/24/24 11:00

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 10:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 10:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 05:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 05:51	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	86784	07/26/24 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86823	07/29/24 21:18	CH	EET MID

Client Sample ID: B - 9 - 3'

Date Collected: 07/24/24 11:10

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.97 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 10:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 10:41	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 9 - 3'

Date Collected: 07/24/24 11:10

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			86883	07/27/24 06:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 06:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	86784	07/26/24 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86823	07/29/24 21:26	CH	EET MID

Client Sample ID: B - 11 - 3'

Date Collected: 07/24/24 11:20

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 11:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 11:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 06:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 06:24	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	86784	07/26/24 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86823	07/29/24 21:34	CH	EET MID

Client Sample ID: B - 13 - 3'

Date Collected: 07/24/24 11:30

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 11:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 06:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 06:40	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86784	07/26/24 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86823	07/29/24 21:42	CH	EET MID

Client Sample ID: B - 15 - 3'

Date Collected: 07/24/24 13:50

Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-6

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	5030B			5.01 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 11:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 06:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 06:55	TKC	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 15 - 3'
Date Collected: 07/24/24 13:50
Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	86784	07/26/24 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86823	07/29/24 21:50	CH	EET MID

Client Sample ID: B - 16 - 3'
Date Collected: 07/24/24 14:00
Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.04 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 12:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 07:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 07:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	86784	07/26/24 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86823	07/29/24 21:58	CH	EET MID

Client Sample ID: B - 17 - 3'
Date Collected: 07/24/24 14:10
Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-8
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	5030B			4.95 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 07:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 07:27	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 04:13	CH	EET MID

Client Sample ID: B - 19 - 3'
Date Collected: 07/24/24 14:20
Date Received: 07/24/24 16:46

Lab Sample ID: 890-6956-9
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	5030B			4.99 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86927	07/27/24 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			86883	07/27/24 07:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86704	07/25/24 16:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86810	07/27/24 07:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 04:21	CH	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-18
Date Collected: 07/25/24 11:20
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 01:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 01:47	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 04:44	CH	EET MID

Client Sample ID: B-27
Date Collected: 07/25/24 11:00
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 14:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 02:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 02:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 04:52	CH	EET MID

Client Sample ID: B-28
Date Collected: 07/25/24 11:10
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 14:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 02:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 02:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 05:16	CH	EET MID

Client Sample ID: B-30
Date Collected: 07/25/24 11:30
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.96 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 15:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 15:19	SM	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-30
Date Collected: 07/25/24 11:30
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			86880	07/27/24 03:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 03:08	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 05:24	CH	EET MID

Client Sample ID: B-31
Date Collected: 07/25/24 11:40
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 15:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 15:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 03:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 03:25	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 05:32	CH	EET MID

Client Sample ID: B-32
Date Collected: 07/25/24 11:50
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-6
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	5030B			5.05 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 16:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 16:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 03:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 03:41	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 05:40	CH	EET MID

Client Sample ID: B-33
Date Collected: 07/25/24 12:00
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.04 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 16:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 03:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 03:57	TKC	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-33
Date Collected: 07/25/24 12:00
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-7
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			5.04 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 05:48	CH	EET MID

Client Sample ID: SW-9
Date Collected: 07/25/24 09:30
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-8
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	5030B			4.99 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 16:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 04:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 04:14	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 05:56	CH	EET MID

Client Sample ID: SW-11
Date Collected: 07/25/24 09:40
Date Received: 07/25/24 15:12

Lab Sample ID: 890-6960-9
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	5030B			4.96 g	5 mL	86771	07/26/24 10:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86743	07/27/24 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86928	07/27/24 17:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			86880	07/27/24 04:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86707	07/25/24 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86808	07/27/24 04:30	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86800	07/26/24 14:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86805	07/28/24 06:04	CH	EET MID

Client Sample ID: B-29-4
Date Collected: 07/29/24 09:50
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 12:18	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 20:09	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-10-0-4

Lab Sample ID: 890-6962-2

Date Collected: 07/29/24 10:00

Matrix: Solid

Date Received: 07/29/24 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 15:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 15:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 13:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 13:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 20:14	CH	EET MID

Client Sample ID: SW-12

Lab Sample ID: 890-6962-3

Date Collected: 07/29/24 10:10

Matrix: Solid

Date Received: 07/29/24 14:16

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	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 16:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 13:28	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 20:19	CH	EET MID

Client Sample ID: SW-6

Lab Sample ID: 890-6962-4

Date Collected: 07/29/24 10:20

Matrix: Solid

Date Received: 07/29/24 14:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 16:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 13:45	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 20:25	CH	EET MID

Client Sample ID: SW-8

Lab Sample ID: 890-6962-5

Date Collected: 07/29/24 10:30

Matrix: Solid

Date Received: 07/29/24 14:16

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	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 17:01	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW-8
Date Collected: 07/29/24 10:30
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87120	07/30/24 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 14:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 20:40	CH	EET MID

Client Sample ID: SW-13
Date Collected: 07/29/24 11:00
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-6
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	5030B			4.97 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 18:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 18:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 14:20	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 20:46	CH	EET MID

Client Sample ID: SW-14
Date Collected: 07/29/24 11:10
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 19:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 14:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 14:38	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 21:01	CH	EET MID

Client Sample ID: B-34
Date Collected: 07/29/24 11:20
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-8
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	5030B			5.03 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 19:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 14:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 14:55	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-34
Date Collected: 07/29/24 11:20
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-8
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	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 21:06	CH	EET MID

Client Sample ID: B-35
Date Collected: 07/29/24 11:30
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-9
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	5030B			4.95 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 20:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 15:13	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 21:12	CH	EET MID

Client Sample ID: B-36
Date Collected: 07/29/24 11:40
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-10
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	5030B			5.01 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 20:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 15:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 15:31	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 21:17	CH	EET MID

Client Sample ID: B-37
Date Collected: 07/29/24 11:50
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-11
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	5030B			5.00 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 21:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 21:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 16:23	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	87046	07/30/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87071	07/30/24 21:22	CH	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-10
Date Collected: 07/29/24 08:00
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-12
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	5030B			5.03 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 21:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 21:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 16:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 16:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 04:05	SMC	EET MID

Client Sample ID: B-12
Date Collected: 07/29/24 08:10
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-13
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	5030B			4.98 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 22:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 22:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 16:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 16:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 04:29	SMC	EET MID

Client Sample ID: B-14
Date Collected: 07/29/24 08:20
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-14
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	5030B			5.02 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 22:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 22:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 17:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 04:37	SMC	EET MID

Client Sample ID: B-7
Date Collected: 07/29/24 08:30
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-15
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	5030B			5.03 g	5 mL	87021	07/30/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86997	07/30/24 22:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 22:54	SM	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-7
Date Collected: 07/29/24 08:30
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87120	07/30/24 17:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 17:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 04:45	SMC	EET MID

Client Sample ID: B-20
Date Collected: 07/29/24 08:40
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-16
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	5030B			4.95 g	5 mL	87036	07/30/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86998	07/30/24 23:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 23:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 17:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 17:48	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 04:53	SMC	EET MID

Client Sample ID: B-21
Date Collected: 07/29/24 08:50
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-17
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	5030B			4.98 g	5 mL	87036	07/30/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86998	07/30/24 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 23:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 18:05	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 05:17	SMC	EET MID

Client Sample ID: B-22
Date Collected: 07/29/24 09:00
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-18
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	5030B			5.01 g	5 mL	87036	07/30/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86998	07/30/24 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/30/24 23:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 18:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 18:21	TKC	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-22

Date Collected: 07/29/24 09:00

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-18

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	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 05:25	SMC	EET MID

Client Sample ID: B-23

Date Collected: 07/29/24 09:10

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-19

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	5030B			5.02 g	5 mL	87036	07/30/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86998	07/31/24 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/31/24 00:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 18:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 18:38	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 05:33	SMC	EET MID

Client Sample ID: B-24

Date Collected: 07/29/24 09:20

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-20

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	5030B			5.03 g	5 mL	87036	07/30/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86998	07/31/24 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/31/24 00:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 18:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87001	07/30/24 08:43	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87032	07/30/24 18:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 05:41	SMC	EET MID

Client Sample ID: B-25

Date Collected: 07/29/24 09:30

Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-21

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	5030B			4.95 g	5 mL	87036	07/30/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86998	07/31/24 00:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/31/24 00:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 21:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87034	07/30/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87030	07/30/24 21:04	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 05:49	SMC	EET MID

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Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B-26
Date Collected: 07/29/24 09:40
Date Received: 07/29/24 14:16

Lab Sample ID: 890-6962-22
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	5030B			4.98 g	5 mL	87036	07/30/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86998	07/31/24 01:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87166	07/31/24 01:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			87120	07/30/24 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87034	07/30/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87030	07/30/24 21:51	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 05:57	SMC	EET MID

Client Sample ID: B - 38 - 3'
Date Collected: 07/30/24 10:30
Date Received: 07/30/24 15:42

Lab Sample ID: 890-6967-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 13:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 16:55	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 06:21	SMC	EET MID

Client Sample ID: B - 39 - 3'
Date Collected: 07/30/24 10:40
Date Received: 07/30/24 15:42

Lab Sample ID: 890-6967-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 14:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 17:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 17:43	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 06:29	SMC	EET MID

Client Sample ID: B - 40 - 3'
Date Collected: 07/30/24 10:50
Date Received: 07/30/24 15:42

Lab Sample ID: 890-6967-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 14:31	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: B - 40 - 3'

Lab Sample ID: 890-6967-3

Date Collected: 07/30/24 10:50

Matrix: Solid

Date Received: 07/30/24 15:42

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			87269	07/31/24 17:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 17:59	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 06:53	SMC	EET MID

Client Sample ID: B - 41 - 3'

Lab Sample ID: 890-6967-4

Date Collected: 07/30/24 11:00

Matrix: Solid

Date Received: 07/30/24 15:42

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	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 14:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 18:14	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 07:01	SMC	EET MID

Client Sample ID: SW - 15 - 0 - 3'

Lab Sample ID: 890-6967-5

Date Collected: 07/30/24 11:10

Matrix: Solid

Date Received: 07/30/24 15:42

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	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 17:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 18:30	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 07:09	SMC	EET MID

Client Sample ID: SW - 16 - 0 - 3'

Lab Sample ID: 890-6967-6

Date Collected: 07/30/24 11:20

Matrix: Solid

Date Received: 07/30/24 15:42

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	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 18:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 18:45	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Client Sample ID: SW - 16 - 0 - 3'

Lab Sample ID: 890-6967-6

Date Collected: 07/30/24 11:20

Matrix: Solid

Date Received: 07/30/24 15:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 07:17	SMC	EET MID

Client Sample ID: SW - 17 - 0 - 3'

Lab Sample ID: 890-6967-7

Date Collected: 07/30/24 11:30

Matrix: Solid

Date Received: 07/30/24 15:42

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	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 17:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 19:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 19:01	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 07:25	SMC	EET MID

Client Sample ID: SW - 18 - 0 - 3'

Lab Sample ID: 890-6967-8

Date Collected: 07/30/24 11:50

Matrix: Solid

Date Received: 07/30/24 15:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 18:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 19:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 19:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 07:32	SMC	EET MID

Client Sample ID: BACKFILL

Lab Sample ID: 890-6967-9

Date Collected: 07/30/24 12:00

Matrix: Solid

Date Received: 07/30/24 15:42

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	87116	07/31/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87103	07/31/24 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87250	07/31/24 18:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			87269	07/31/24 19:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87117	07/31/24 10:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87133	07/31/24 19:32	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87172	07/31/24 13:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87182	08/01/24 07:40	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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

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Accreditation/Certification Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

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
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- 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 U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6950-1	SW-1-0-4	Solid	07/22/24 09:00	07/22/24 16:47
890-6950-2	SW-2-0-4	Solid	07/22/24 09:10	07/22/24 16:47
890-6950-3	B-1-4	Solid	07/22/24 09:30	07/22/24 16:47
890-6950-4	B-2-4	Solid	07/22/24 09:40	07/22/24 16:47
890-6950-5	B-5-8	Solid	07/22/24 10:50	07/22/24 16:47
890-6950-6	SW-5-0-8	Solid	07/22/24 11:00	07/22/24 16:47
890-6952-1	B-3-0-5	Solid	07/23/24 09:00	07/23/24 16:44
890-6952-2	SW-4-0-5	Solid	07/23/24 09:50	07/23/24 16:44
890-6952-3	SW-3-0--5	Solid	07/23/24 10:30	07/23/24 16:44
890-6952-4	B-4-0-5	Solid	07/23/24 13:55	07/23/24 16:44
890-6952-5	B-6-0-5	Solid	07/23/24 14:05	07/23/24 16:44
890-6956-1	B - 8 - 8'	Solid	07/24/24 08:30	07/24/24 16:46
890-6956-2	SW - 7 - 0 - 3'	Solid	07/24/24 11:00	07/24/24 16:46
890-6956-3	B - 9 - 3'	Solid	07/24/24 11:10	07/24/24 16:46
890-6956-4	B - 11 - 3'	Solid	07/24/24 11:20	07/24/24 16:46
890-6956-5	B - 13 - 3'	Solid	07/24/24 11:30	07/24/24 16:46
890-6956-6	B - 15 - 3'	Solid	07/24/24 13:50	07/24/24 16:46
890-6956-7	B - 16 - 3'	Solid	07/24/24 14:00	07/24/24 16:46
890-6956-8	B - 17 - 3'	Solid	07/24/24 14:10	07/24/24 16:46
890-6956-9	B - 19 - 3'	Solid	07/24/24 14:20	07/24/24 16:46
890-6960-1	B-18	Solid	07/25/24 11:20	07/25/24 15:12
890-6960-2	B-27	Solid	07/25/24 11:00	07/25/24 15:12
890-6960-3	B-28	Solid	07/25/24 11:10	07/25/24 15:12
890-6960-4	B-30	Solid	07/25/24 11:30	07/25/24 15:12
890-6960-5	B-31	Solid	07/25/24 11:40	07/25/24 15:12
890-6960-6	B-32	Solid	07/25/24 11:50	07/25/24 15:12
890-6960-7	B-33	Solid	07/25/24 12:00	07/25/24 15:12
890-6960-8	SW-9	Solid	07/25/24 09:30	07/25/24 15:12
890-6960-9	SW-11	Solid	07/25/24 09:40	07/25/24 15:12
890-6962-1	B-29-4	Solid	07/29/24 09:50	07/29/24 14:16
890-6962-2	SW-10-0-4	Solid	07/29/24 10:00	07/29/24 14:16
890-6962-3	SW-12	Solid	07/29/24 10:10	07/29/24 14:16
890-6962-4	SW-6	Solid	07/29/24 10:20	07/29/24 14:16
890-6962-5	SW-8	Solid	07/29/24 10:30	07/29/24 14:16
890-6962-6	SW-13	Solid	07/29/24 11:00	07/29/24 14:16
890-6962-7	SW-14	Solid	07/29/24 11:10	07/29/24 14:16
890-6962-8	B-34	Solid	07/29/24 11:20	07/29/24 14:16
890-6962-9	B-35	Solid	07/29/24 11:30	07/29/24 14:16
890-6962-10	B-36	Solid	07/29/24 11:40	07/29/24 14:16
890-6962-11	B-37	Solid	07/29/24 11:50	07/29/24 14:16
890-6962-12	B-10	Solid	07/29/24 08:00	07/29/24 14:16
890-6962-13	B-12	Solid	07/29/24 08:10	07/29/24 14:16
890-6962-14	B-14	Solid	07/29/24 08:20	07/29/24 14:16
890-6962-15	B-7	Solid	07/29/24 08:30	07/29/24 14:16
890-6962-16	B-20	Solid	07/29/24 08:40	07/29/24 14:16
890-6962-17	B-21	Solid	07/29/24 08:50	07/29/24 14:16
890-6962-18	B-22	Solid	07/29/24 09:00	07/29/24 14:16
890-6962-19	B-23	Solid	07/29/24 09:10	07/29/24 14:16
890-6962-20	B-24	Solid	07/29/24 09:20	07/29/24 14:16
890-6962-21	B-25	Solid	07/29/24 09:30	07/29/24 14:16
890-6962-22	B-26	Solid	07/29/24 09:40	07/29/24 14:16
890-6967-1	B - 38 - 3'	Solid	07/30/24 10:30	07/30/24 15:42
890-6967-2	B - 39 - 3'	Solid	07/30/24 10:40	07/30/24 15:42
890-6967-3	B - 40 - 3'	Solid	07/30/24 10:50	07/30/24 15:42

Sample Summary

Client: Arcadis U.S., Inc.
Project/Site: Asio Otus Fed 003H

Job ID: 890-6950-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6967-4	B - 41 - 3'	Solid	07/30/24 11:00	07/30/24 15:42
890-6967-5	SW - 15 - 0 - 3'	Solid	07/30/24 11:10	07/30/24 15:42
890-6967-6	SW - 16 - 0 - 3'	Solid	07/30/24 11:20	07/30/24 15:42
890-6967-7	SW - 17 - 0 - 3'	Solid	07/30/24 11:30	07/30/24 15:42
890-6967-8	SW - 18 - 0 - 3'	Solid	07/30/24 11:50	07/30/24 15:42
890-6967-9	BACKFILL	Solid	07/30/24 12:00	07/30/24 15:42

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Eurofins Carlshad

1089 N Canal St.
Carlshad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Heath Boyd</u>	Lab P#: <u>John</u>	Carrier Tracking No(s):	COC No: <u>890-3749-1106</u>
Client Contact: <u>Justin Nixon</u>		Phone: <u>575-942-0292</u>	E-Mail: <u>John.Bulles@eurofins.com</u>	State of Origin: <u>NM</u>	Page: <u>Page 6 of 8</u>
Company: <u>Arcadis U.S., Inc.</u>		PWSID: <u></u>		Job #: <u>1061</u>	
Address: <u>1004 North Big Spring Suite 300</u>		Due Date Requested: <u></u>		Preservation Codes: <u>N - None</u>	
City: <u>Midland</u>		TAT Requested (days): <u>24 hr. Cl, Standard All Else</u>		Analysis Requested	
State, Zip: <u>TX, 79701</u>		Compliance Project: <u>Δ Yes Δ No</u>			
Phone: <u>432-296-9547(Tel)</u>		PO #: <u>30226790</u>		890-6950 Chain of Custody	
Email: <u>Justin.Nixon@arcadis.com</u>		MO #: <u></u>			
Project Name: <u>Asio Olus Fed 003H (6.07.23)</u>		Project #: <u>89000201</u>			
Site: <u>Eddy County, NM</u>		SSOW#: <u></u>			
Other: <u></u>		Field Filtered Sample (Yes or No) <u>N</u>		Perform MS/MSD (Yes or No) <u>N</u>	
		300_ORGFM_28D, 8015MOD_NM, 8021B			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab, B=Tissue A&M)	Matrix (M=Water, S=solid, O=Other)
<u>SW-1-Ø-4'</u>	<u>7/22/24</u>	<u>900</u>	<u>C</u>	<u>Solid</u>	<u>X</u>
<u>SW-2-Ø-4'</u>		<u>910</u>	<u>I</u>	<u>Solid</u>	<u>X</u>
<u>B-1-4'</u>		<u>930</u>	<u>I</u>	<u>Solid</u>	<u>X</u>
<u>B-2-4'</u>		<u>940</u>	<u>I</u>	<u>Solid</u>	<u>X</u>
<u>B-5-8'</u>		<u>1050</u>	<u>I</u>	<u>Solid</u>	<u>X</u>
<u>SW-5-Ø-8'</u>		<u>X</u>	<u>1100</u>	<u>X</u>	<u>Solid</u>
				<u>Solid</u>	
				<u>Solid</u>	
				<u>Solid</u>	
				<u>Solid</u>	
				<u>Solid</u>	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ Return To Client ☐ Disposal By Lab ☐ Archive For <u>Months</u>			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by: <u></u>		Date: <u></u>	Time: <u></u>	Method of Shipment: <u></u>	
Relinquished by: <u>AS</u>		Date/Time: <u>6/22/24 1655</u>	Company: <u>Arcadis</u>	Received by: <u>Heath</u>	Date/Time: <u>6.21.5 7/22</u>
Relinquished by: <u></u>		Date/Time: <u></u>	Company: <u></u>	Received by: <u></u>	Date/Time: <u></u>
Relinquished by: <u></u>		Date/Time: <u></u>	Company: <u></u>	Received by: <u></u>	Date/Time: <u></u>
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No.: <u></u>		Cooler Temperature(s) °C and Other Remarks: <u>2.8 0.2</u>	

Login Sample Receipt Checklist

Client: Arcadis U.S., Inc.

Job Number: 890-6950-1

Login Number: 6950

List Number: 1

Creator: Lopez, Abraham

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 U.S., Inc.

Job Number: 890-6950-1

Login Number: 6950
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 07/24/24 07:19 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").	N/A	

Appendix E

NMOCD Correspondence



Incident Events

Date	Detail
07/18/2024	The (07/18/2024, C-141N) application [365164] was assigned to this incident.
06/10/2024	Extension request received and approved on 6/10/2024: "We have completed the assessment and have the approved work plan for remediation ready to proceed. Access had been restricted due to an active layflat line parallel to the road. We had been working with the BLM to find the owner. The line was running directly on top of our spill path. We contacted Solaris and they are moving it to the south side of the road for us to begin."
03/11/2024	The (03/11/2024, C-141) application [307860] was accepted by OCD. The operator was emailed with details of this event.

Released to Imaging: 9/23/2024 8:05:44 AM
A variance to collect five-point composite samples from the base and sidewalls of the excavation no more than 400 square feet is approved. Submit closure report to OCD by 6/9/2024.

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

DRAFT

From: [Nixon, Justin](#)
To: [Wells, Shelly, EMNRD](#)
Subject: [EXTERNAL] Re: NAPP2317029661 ASIO OTUS FEDERAL 003H
Date: Friday, September 20, 2024 11:02:57 AM

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

Yes ma'am, all of those base samples were collected at 5' depth. They were all 5 point composites from the base. I apologize for the confusion.

Please let me know if we need to have a quick call for any clarification. I will be back to the computer in 45 minutes. I appreciate it Shelly.

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, September 20, 2024 11:54:12 AM
To: Nixon, Justin <Justin.Nixon@arcadis.com>
Subject: NAPP2317029661 ASIO OTUS FEDERAL 003H

Arcadis Warning: Exercise caution with email messages from external sources such as this message. Always verify the sender and avoid clicking on links or scanning QR codes unless certain of their authenticity.

Hi Justin,

I am reviewing the reclamation report submitted to the OCD for NAPP2317029661 ASIO OTUS FEDERAL 003H and have a question regarding floor samples B-3, B-4 and B-6. In Table 1 provided, it says they were collected at 0-5 feet depth. Can you explain when you get the opportunity?

Kind regards,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

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QUESTIONS

Action 380804

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	380804
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317029661
Incident Name	NAPP2317029661 ASIO OTUS FEDERAL 003H @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2202647776] ASIO OTUS FED #3H RT BTTY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ASIO OTUS FEDERAL 003H
Date Release Discovered	06/02/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 4 BBL Recovered: 0 BBL Lost: 4 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 380804

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	380804
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/25/2024
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QUESTIONS, Page 3

Action 380804

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	380804
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (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)	525
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	20.2
GRO+DRO	(EPA SW-846 Method 8015M)	20.2
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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	07/19/2024
On what date will (or did) the final sampling or liner inspection occur	07/22/2024
On what date will (or was) the remediation complete(d)	08/06/2024
What is the estimated surface area (in square feet) that will be reclaimed	16400
What is the estimated volume (in cubic yards) that will be reclaimed	3160
What is the estimated surface area (in square feet) that will be remediated	16400
What is the estimated volume (in cubic yards) that will be remediated	3160

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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QUESTIONS, Page 4

Action 380804

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	380804
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: 09/05/2024
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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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QUESTIONS, Page 5

Action 380804

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 380804
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 380804

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	380804
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	365164
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/19/2024
What was the (estimated) number of samples that were to be gathered	50
What was the sampling surface area in square feet	9900

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	16400
What was the total volume (cubic yards) remediated	3160
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	16400
What was the total volume (in cubic yards) reclaimed	3160
Summarize any additional remediation activities not included by answers (above)	na

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/05/2024
--	---

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QUESTIONS, Page 7

Action 380804

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	380804
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	16400
What was the total volume of replacement material (in cubic yards) for this site	3160
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	08/05/2024
Summarize any additional reclamation activities not included by answers (above)	The site was backfilled with topsoil consistent with the current soil type in the area, then re-seeded.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/05/2024

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QUESTIONS, Page 8

Action 380804

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	380804
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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

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

CONDITIONS

Action 380804

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 380804
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scwells	Reclamation approved. Please note that under Site Characterization the distance to a wetland should be between 1/2 mile and 1 mile for this release.	9/23/2024