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COG (ConocoPhillips)

2025 Soil Remediation and Reclamation Summary Closure Request Report

Tomahawk WC Unit 714

Incident # NAPP2430659655

Eddy County, New Mexico

August 2025

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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 Tomahawk WC Unit 714 (Site) located at 32.1953, -104.1184. 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 4.6-miles southwest of the City of Malaga in Unit A, Section 30, Township 24 South, Range 28 East, Eddy County, New Mexico. The Site is located within a medium karst area. A Site Location Map is included as **Figure 1** and a Topographic Map as **Figure 2**.

2.1 Incident # NAPP2430659655

According to the Initial C-141 Form, on October 30, 2024, a damaged segment of layflat line due to corrosion resulted in the release of approximately 291.0659 barrels (bbls) of produced water to ground surface at the Site with 20 bbls recovered. The Initial C-141 Form was submitted to the NMOCD on February 3, 2025, and assigned Incident ID number NAPP2430659655. 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 in March of 2025 by Arcadis to assess 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 is a water well located approximately 0.5 miles from the Site with a depth to water of 80 feet below ground surface (bgs) to a dry bottom casing. 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 due to the Site being located in a medium karst area. 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 1/2 and 1 mi.
- Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark): Between 1/2 and 1 mi.
- An occupied permanent residence, school, hospital, institution, or church: Between 1 and 5 mi.
- A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes: Between 1 and 5 mi.
- Any other fresh water well or spring: Between 1 and 5 mi.
- Incorporated municipal boundaries or a defined municipal fresh water well field: > 5 miles

- A wetland: Between 1/2 and 1 mile
- A subsurface mine: > 5 miles
- A (non-karst) unstable area: > 5 miles
- Categorize the risk of this well/site being in Karst Geology: Medium
- A 100-year floodplain: Between 1/2 and 1 mi.
- Did the release impact areas not on an exploration, development, production, or storage site? Yes
- A wetland: Between 1/2 and 1 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: Medium
- A 100-year floodplain: Between 1 and 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

On March 7th through 12th, 2025, Arcadis performed site assessment activities to evaluate soil impacts stemming from the release. A total of forty (40) sample points were advanced to depths ranging from the surface to 6 feet bgs inside and surrounding the release area to evaluate the vertical and horizontal extents of the release.

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 2025 Work Plan submitted previously by Arcadis 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 the Site being in a medium karst area. 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

5 Remediation Activities Summary

5.1 Soil Removal

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

Soil remediation activities were performed by Arcadis and McNabb Partners from May 21 through July 28, 2025. 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 assess 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 46,800 square foot (sq ft) area in the pasture. Soil analytical results are discussed in **Sections 5.3, 5.4,** and **5.5**.

At the release point, the west end of the release was excavated to a maximum depth of approximately 4 feet bgs in the pasture area. Majority of the remaining impact was excavated to a depth of approximately 2.0' bgs. Approximately 4,976 cubic yards of impacted soil were excavated from the release area. The limits of the excavation are presented on **Figure 3**. Excavated soil during remediation was stockpiled on-site, on a nearby pad adjacent to the release area on 20 millimeter (mil) thick plastic sheeting and covered with 20 mil plastic sheeting.

The stockpiled soil was disposed offsite at the R360 Red Bluff Landfill facility located at 5053 US Hwy 285, in Orla, Texas as Class 2 non-hazardous material. McNabb Partners transported a total of 4,976 cubic yards of soil directly to the landfill on June 3 through July 21, 2025. 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 May 29 through July 15, 2025 for laboratory analyses. Following excavation of the impacted area, confirmation soil samples were collected from the sidewalls and bottom of the excavation as needed to maintain an approximate 200 sq ft sample spacing for sidewalls and a 400 sq ft or less sample spacing for bottom samples as approved in a variance noted In the Work Plan by the NMOCD, and in accordance with NMAC 19.15.29.12(D)(1)(b) for both sidewalls and base of the excavated area. On June 4, 2025, backfill was delivered from the R360 Red Bluff 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.**

5.3 Chloride

All soil confirmation samples collected for chloride 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 for GRO, DRO, and ORO in all soil confirmation samples.

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 soil confirmation samples.

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 July 25, 2025, 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. 46,800 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 Remediation Summary

Analytical results associated with recent remediation activities conducted in 2025 indicate that the horizontal and vertical extent of chloride, TPH, and BTEX impact in soil above NMAC screening standards for a site with depth the groundwater less than 50 feet bgs have been remediated both horizontally and vertically and excavated from the impacted area. Prior to remediation, the site had several heavy rains in the area. The impacted area was significantly smaller than the anticipated area shown in the NMOCD approved Work Plan in part due to low chloride concentrations and multiple heavy rainfall instances in the area increasing mobility and diluting within the sandy loam soils. In addition, the remediation was shut down multiple times due to the heavy rains. All areas of concern above the NMOCD's most stringent regulatory and reclamation limits shown in the Work Plan were removed and backfilled with the clean material and graded to match the original surface conditions and drainage. Approximately 46,800 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 200 square foot composite areas for sidewalls and 400 square foot composites for bases as approved in the sampling variance. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria in each of the submitted soil samples for 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 Tomahawk WC Unit 714 site for Incident ID number NAPP2430659655.

Tables

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Table 1
2025 Soil Sample Analytical Results
Tomahawk WC Unit 714
Eddy County, New Mexico
NAPP2430659655
COG (ConocoPhillips)

ARCADIS

Sample ID	Date	Depth (ft)	Soil Status	BTEX Methods					TPH Methods				Cl 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	6/2/2025	4	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	96.2
B-2	5/29/2025	4	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	203
B-3	5/29/2025	4	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	133
B-4	5/29/2025	4	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9	131
B-5	5/29/2025	4	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	170
B-6	5/29/2025	4	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	95.6 F1
B-7	6/2/2025	4	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.6	<15.2	<15.2	<15.2	90.5
B-8	5/29/2025	4	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	379
B-9	6/2/2025	4	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.6	<15.2	<15.2	<15.2	99.9
B-10	6/2/2025	4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	81.8
B-11	6/2/2025	4	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	63.4
B-12	5/29/2025	4	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.1	<50.1	<50.1	<50.1	64.5
B-13	6/3/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00229	<14.5	34.5 J	<15.1	34.5 J	16.3 F1
B-14	6/3/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00230	<14.5	16.0 J	<15.1	16.0 J	134
B-15	6/3/2025	2	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00231	<14.5	<15.1	<15.1	<15.1	154
B-16	6/3/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00229	<14.5	<15.1	<15.1	<15.1	81.6
B-17	6/2/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	113
B-18	5/30/2025	4	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	271
B-19	5/30/2025	4	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	99.0
B-20	5/30/2025	4	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	134
B-21	5/30/2025	4	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	288
B-22	5/30/2025	4	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	115
B-23	5/30/2025	4	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.2	<50.2	<50.2	<50.2	59.7
B-24	6/2/2025	2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	111
B-25	6/2/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.6	<15.2	<15.2	<15.2	516
B-26	6/2/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	<14.6	<15.2	<15.2	<15.2	244
B-27	6/2/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	98.5 F1
B-28	6/2/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	79.9
B-29	6/2/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	166
B-30	6/2/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	83.4
B-31	6/3/2025	2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00231	<14.6	<15.2	<15.2	<15.2	85.9
B-32	6/3/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00229	<14.5	<15.1	<15.1	<15.1	98.3
B-33	6/3/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00230	<14.5	<15.1	<15.1	<15.1	141
B-34	6/3/2025	2	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00231	<14.6	<15.2	<15.2	<15.2	125
B-35	6/12/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00230	<14.5	<15.1	<15.1	<15.1	146
B-36	6/12/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00230	<14.5	<15.1	<15.1	<15.1	82.8
B-37	6/12/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00229	<14.5	<15.1	<15.1	<15.1	116
B-38	6/12/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00227	<14.5	<15.1	<15.1	<15.1	119
B-39	6/12/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00228	<14.5	<15.1	<15.1	<15.1	112
B-40	6/12/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00232	<14.5	<15.1	<15.1	<15.1	573
B-41	6/12/2025	2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00231	<14.5	<15.1	<15.1	<15.1	508
B-42	6/12/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00230	<14.5	<15.1	<15.1	<15.1	422
B-43	6/12/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00230	<14.5	<15.1	<15.1	<15.1	448
B-44	6/12/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00229	<14.5	<15.1	<15.1	<15.1	877
B-44	6/19/2025	2.5	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.6	<15.2	<15.2	<15.2	65.7
B-45	6/12/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00227	<14.5	<15.1	<15.1	<15.1	651
B-45	6/19/2025	2.5	In-Situ	<0.00138	<0.00199	<0.00108	0.00723	0.00723	<14.5	<15.1	<15.1	<15.1	151
B-46	6/12/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00228	<14.5	<15.1	<15.1	<15.1	98.3
B-47	6/13/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00230	<14.5 F1	<15.1 F1	<15.1	<15.1	96.3
B-48	6/13/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00230	<14.5	<15.1	<15.1	<15.1	111
B-49	6/13/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00229	<14.5	<15.1	<15.1	<15.1	86.7

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Table 1
2025 Soil Sample Analytical Results
Tomahawk WC Unit 714
Eddy County, New Mexico
NAPP2430659655
COG (ConocoPhillips)

ARCADIS

Sample ID	Date	Depth (ft)	Soil Status	BTEX Methods					TPH Methods				Cl 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-50	6/13/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	127
B-51	6/13/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	137
B-52	6/13/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	88.8
B-53	6/13/2025	2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	81.4
B-54	6/13/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	6.78 J
B-55	6/13/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	113
B-56	6/13/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	110
B-57	6/13/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	106
B-58	6/19/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.4	<15.0	<15.0	<15.0	77.6 F1
B-59	6/19/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.4	15.6 J	<15.0	15.6 J	150
B-60	6/19/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.6	<15.2	<15.2	<15.2	99.0
B-61	6/19/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	123
B-62	6/19/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	103
B-63	6/22/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	144
B-64	6/22/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	0.00300 J	0.00300 J	<14.5	<15.1	<15.1	<15.1	94.0
B-65	6/22/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	90.8
B-66	6/22/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	83.5
B-67	6/22/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	76.7
B-68	6/22/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	126
B-69	6/23/2025	2	In-Situ	0.00365	0.0287	0.00579	0.0877	0.126	<14.5	17.5 J	<15.1	17.5 J	90.1
B-70	6/23/2025	2	In-Situ	<0.00140	0.00458	0.00149 J	0.0140	0.0201	<14.5	<15.1	<15.1	<15.1	113
B-71	6/23/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	101
B-72	6/23/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	92.4
B-73	6/23/2025	2	In-Situ	0.00518	0.0406	0.00731	0.118	0.171	<14.5	<15.1	<15.1	<15.1	79.7
B-74	6/23/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	0.00865	0.00865	<14.5	<15.1	<15.1	<15.1	89.9
B-75	7/1/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	277
B-76	7/1/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.6	<15.2	<15.2	<15.2	289
B-77	7/1/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	17.3 J	<15.1	17.3 J	183
B-78	7/1/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	168
B-79	7/1/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	456
B-80	7/1/2025	4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	88.0
B-81	7/1/2025	4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	135
B-82	7/9/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	90.0
B-83	7/9/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	127
B-84	7/9/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	109
B-85	7/9/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	75.6
B-86	7/9/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	244
B-87	7/9/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	91.6
B-88	7/9/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	21.2 J	<15.1	21.2 J	105
B-89	7/9/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	16.4 J	<15.1	16.4 J	81.9
B-90	7/9/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	152
B-91	7/10/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	117
B-92	7/10/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	138
B-93	7/10/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	25.0 J	<15.1	25.0 J	129
B-94	7/10/2025	2	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	119
B-95	7/10/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	113
B-96	7/10/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	120
B-97	7/15/2025	2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	182
B-98	7/15/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.4	<15.0	<15.0	<15.0	120

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Table 1
2025 Soil Sample Analytical Results
Tomahawk WC Unit 714
Eddy County, New Mexico
NAPP2430659655
COG (ConocoPhillips)

ARCADIS

Sample ID	Date	Depth (ft)	Soil Status	BTEX Methods					TPH Methods				Cl 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-99	7/10/2025	2	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	372 F1
B-100	7/10/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	79.5
B-101	7/10/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	216
B-102	7/10/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	106
B-103	7/15/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	76.6
B-104	7/10/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	99.2
B-105	7/15/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	131
B-106	7/15/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	69.2
B-107	7/15/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	119
B-108	7/15/2025	2	In-Situ	<0.00140	<0.00201	0.00153 J *-	0.00252 J *- *1	0.00405	<14.5	<15.1	<15.1	<15.1	116
B-109	7/15/2025	2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.4	<15.0	<15.0	<15.0	72.6
B-110	7/15/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	177
B-111	7/15/2025	2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	178
B-112	7/15/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.6	<15.2	<15.2	<15.2	483
B-113	7/15/2025	2	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	126
B-114	7/15/2025	2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	139
B-115	7/15/2025	2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	96.5 F1
B-116	7/15/2025	2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.6	<15.2	<15.2	<15.2	467
B-117	7/15/2025	2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	18.4 J	<15.1	18.4 J	95.8
BACKFILL	6/4/2025	--	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	241
SW-1	5/29/2025	0-4	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.3	<50.3	<50.3	<50.3	175 F1
SW-2	5/29/2025	0-4	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	116
SW-3	5/29/2025	0-4	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.7	<49.7	<49.7	<49.7	102
SW-4	5/29/2025	0-4	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	120
SW-5	5/29/2025	0-4	In-Situ	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.6	<49.6	<49.6	<49.6	405
SW-6	5/29/2025	0-4	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.2	<50.2	<50.2	<50.2	84.8
SW-7	5/30/2025	0-2	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	308
SW-8	6/2/2025	0-2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	17.3 J B	16.7 J B	<15.1	34.0 J	172
SW-9	5/30/2025	0-2	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	396
SW-10	6/2/2025	0-2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.6	<15.2	<15.2	<15.2	94.4
SW-11	5/30/2025	0-2	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.6	<49.6	<49.6	<49.6	419
SW-12	6/2/2025	0-2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	162
SW-13	6/2/2025	0-2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	76.2
SW-14	6/3/2025	0-2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	83.3
SW-15	6/19/2025	0-2	In-Situ	<0.00138	<0.00199	<0.00108	0.00679	0.00679	<14.5	<15.1	<15.1	<15.1	172
SW-15	6/3/2025	0-2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	284
SW-16	6/12/2025	0-2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	107
SW-17	6/12/2025	0-2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	101
SW-18	6/13/2025	0-2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	107
SW-19	6/13/2025	0-2	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	102
SW-20	6/13/2025	0-2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	101
SW-21	6/19/2025	0-2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	126
SW-22	6/22/2025	0-2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	19.5 J F2	<15.1	19.5 J	375 F1
SW-23	6/23/2025	0-2	In-Situ	<0.00138	<0.00198	<0.00108	0.00236 J	0.00236 J	<14.5	<15.1	<15.1	<15.1	114
SW-24	7/1/2025	0-2	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.6	<15.2	<15.2	<15.2	309
SW-25	7/1/2025	0-2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	18.3 J	<15.0	18.3 J	351
SW-26	6/30/2025	0-2	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	124
SW-27	7/1/2025	0-2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	17.9 J	<15.1	17.9 J	76.2 F1
SW-28	7/1/2025	0-4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.4	18.5 J	<15.0	18.5 J	347

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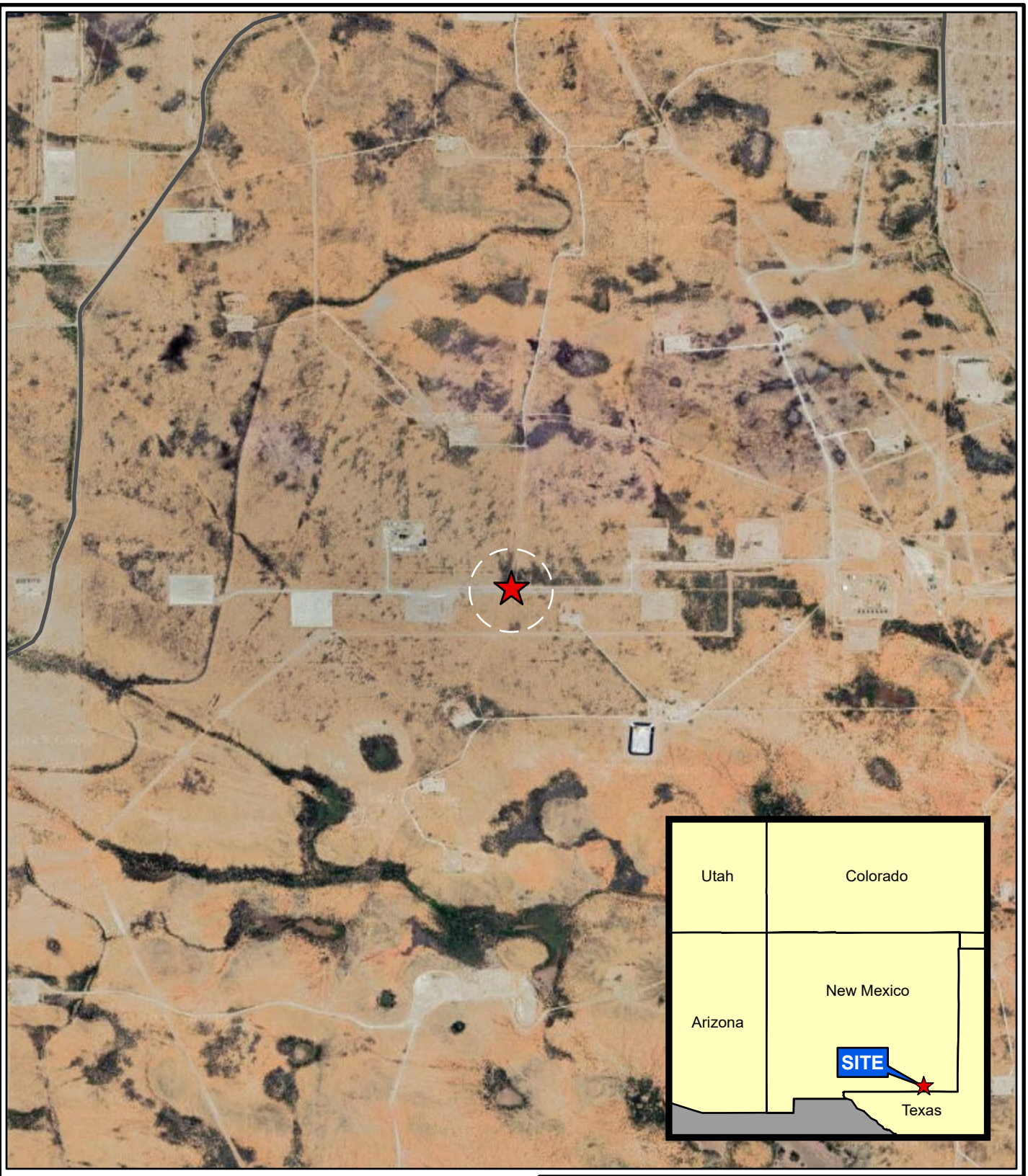
Table 1
2025 Soil Sample Analytical Results
Tomahawk WC Unit 714
Eddy County, New Mexico
NAPP2430659655
COG (ConocoPhillips)

Sample ID	Date	Depth (ft)	Soil Status	BTEX Methods					TPH Methods				Cl 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-29	7/1/2025	0-4	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	99.2
SW-30	7/9/2025	0-2	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	81.2 F1
SW-31	7/10/2025	0-2	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5 F1	15.2 J F1	<15.1	15.2 J	109
SW-32	7/10/2025	0-2	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	160
SW-33	7/10/2025	0-2	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	124
SW-34	7/10/2025	0-2	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	120
SW-35	7/10/2025	0-4	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	50.7	<15.1	50.7	73.6
NMOCD Reclamation Standard				**10**	--	--	--	**50**	--	--	--	**100**	**600**
NMOCD Closure Criteria				**10**	--	--	--	**50**	--	--	--	**100**	**600**

Legend:
BOLD: Analytes exceeding NMOCD/NMAC Reclamation and Closure standards
J: Result is less than the RL but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value.
B: Compound was found in the blank and sample.
F1: Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits.
F2: MS/MSD RPD exceeds control limits.
*1 : Laboratory Control Sample (LCS)/ Laboratory Sample Control Duplicate (LCSD) Relative Percent Difference (RPD) exceeds control limits.
*-: LCS and/or LCSD is outside acceptance limits, low biased.
<' 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 GRO: Total Petroleum Hydrocarbons Gasoline Range Organics
TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics
TPH ORO: Total Petroluem Hydrocarbons Oil Range Organics
B: Base sample
SW : Sidewall sample
ft:feet

Notes:
1. Chloride analyzed by EPA Method 300
2. TPH analyzed by EPA Method 8015B NM
3. BTEX analyzed by Method SW8021B
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
NMOCD: New Mexico Oild Conservation Division
--: No individual standard / Not Applicable

Figures



Legend

Site Location

Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.195301°, -104.118398°

0 2,000 4,000 Feet

GRAPHIC SCALE

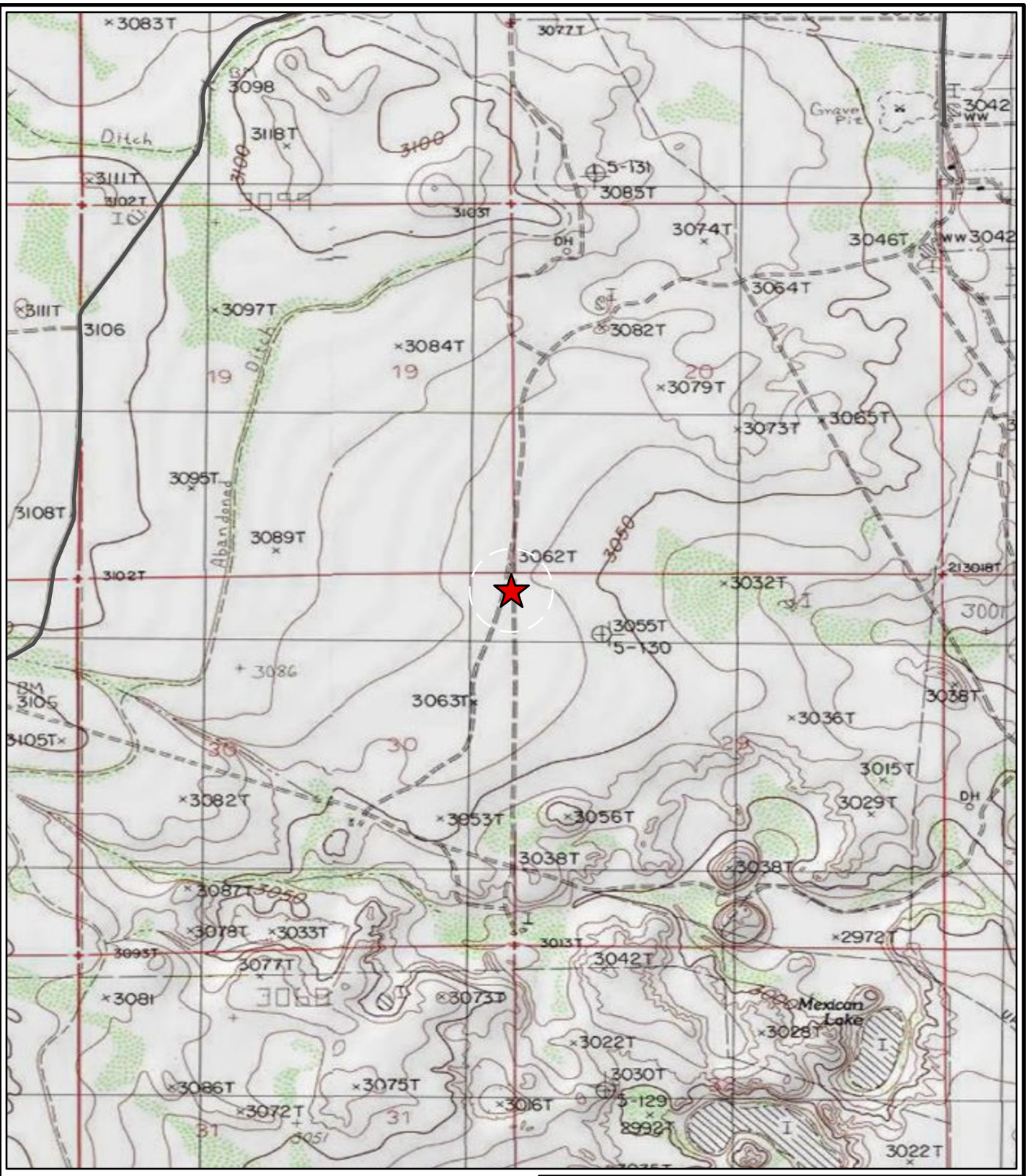
COG (CONOCOPHILLIPS)
TOMAHAWK WC UNIT 714
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP

ARCADIS

FIGURE 1

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: joym8537 ; Client (Project #)
T:_ENV\Upstream\Tomahawk WC Unit 714\PRO\Tomahawk WC Unit 714.aprx 3/25/2025 4:58 PM



Legend

Site Location

Datum: D_WGS_1984
Source: ESRI Online, USGS 24,000 K Topo (Map Service)
Red Lake, New Mexico Quadrangle
Site Location: 32.195301°, -104.118398°

0 2,000 4,000 Feet

GRAPHIC SCALE

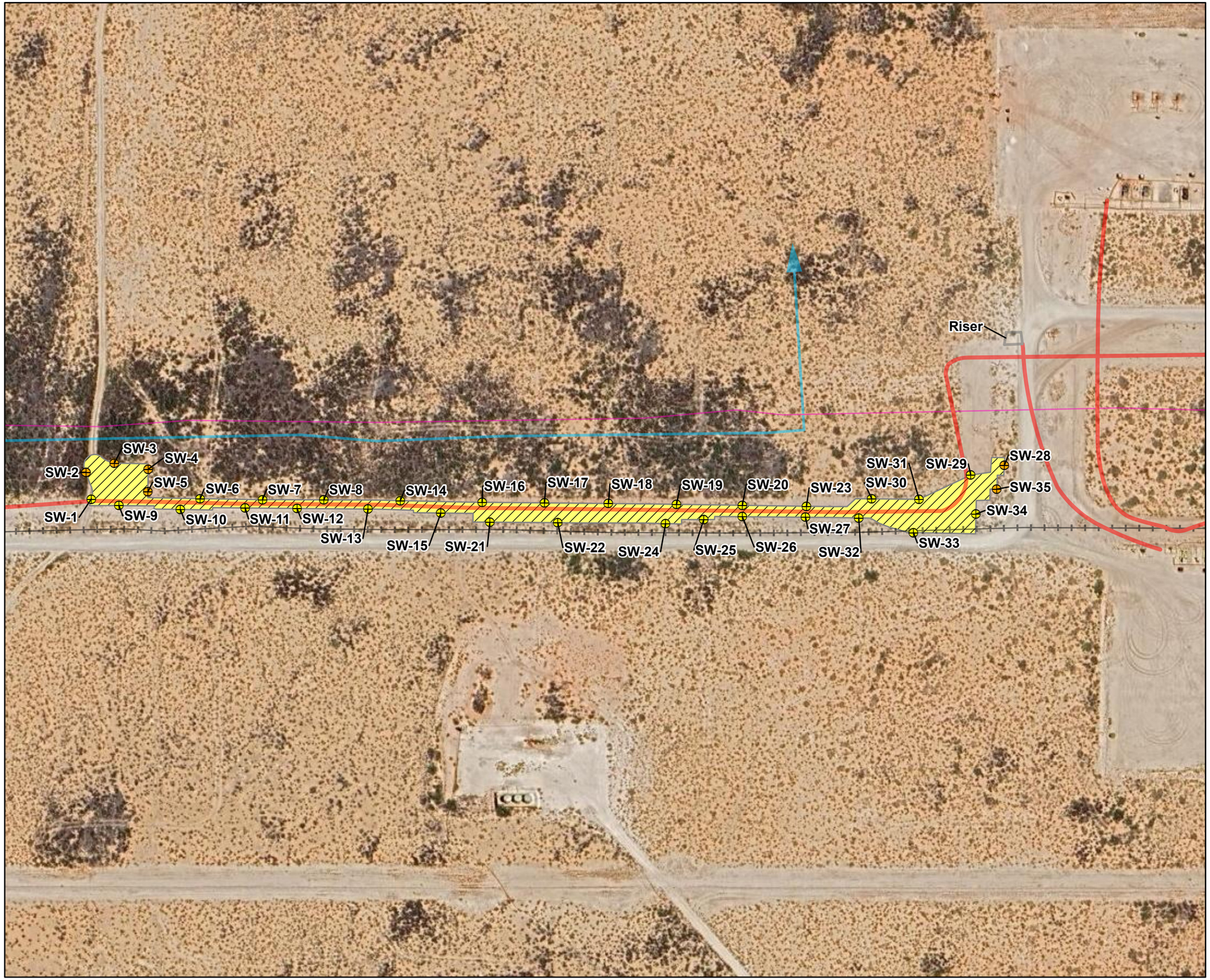
COG (CONOCOPHILLIPS)
TOMAHAWK WC UNIT 714
EDDY COUNTY, NEW MEXICO

TOPOGRAPHIC MAP

ARCADIS

FIGURE 2

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: joym8537 ; Client (Project #)
T:_ENV\Upstream\Tomahawk WC Unit 714\PRO\Tomahawk WC Unit 714.aprx 3/25/2025 4:58 PM



LEGEND:

Sidewall Soil Sample Location

- 2' Sample Depth
- 4' Sample Depth
- Excavated Area
- Overhead Powerline

Underground Production Lines

- Plains Crude Oil
- Solars Produced Water
- ConocoPhillips Underground Production Lines Corridor

NOTE:

1. ' = FEET

Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.195301°, -104.118398°

0 200 400 Feet

GRAPHIC SCALE

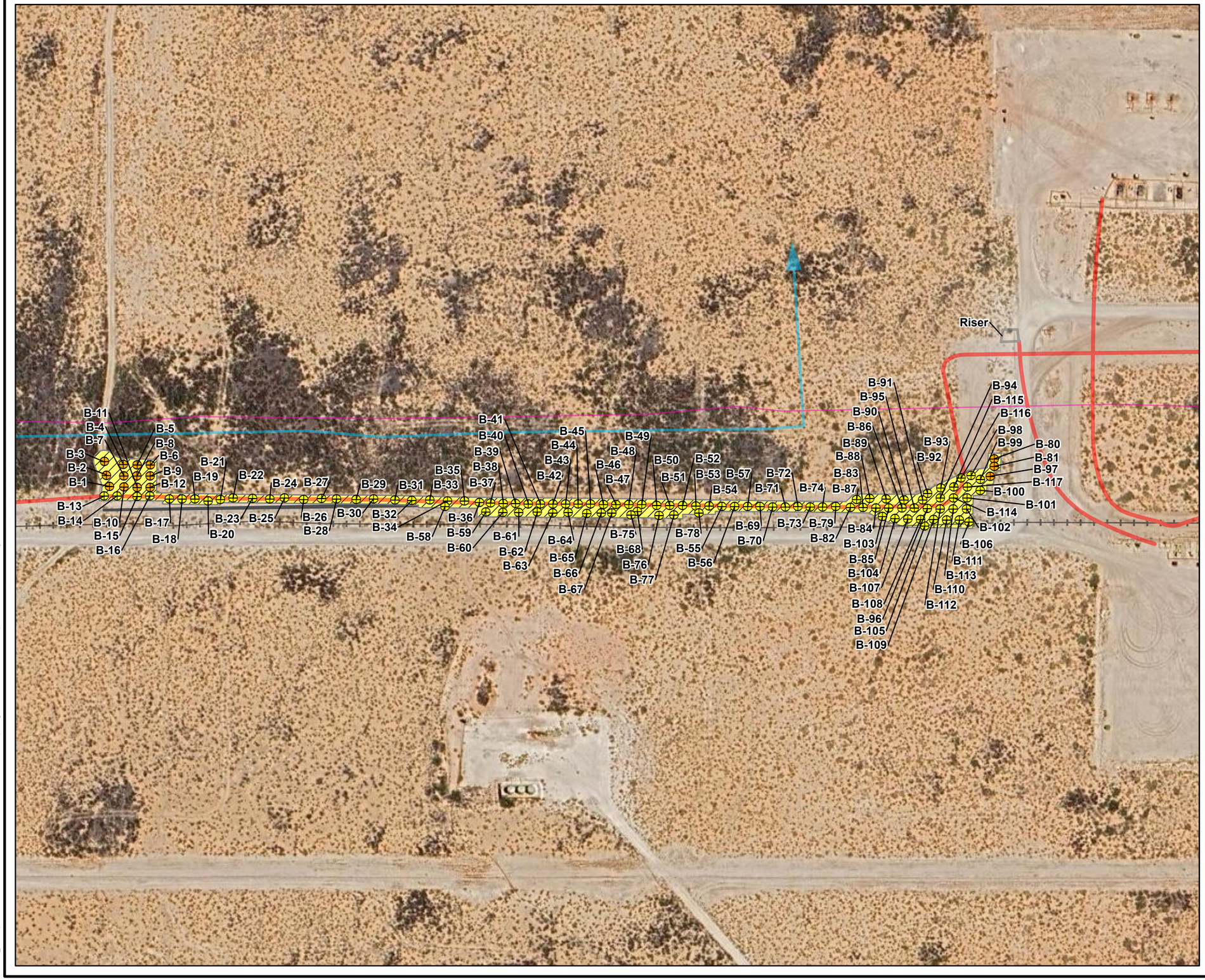
COG (CONOCOPHILLIPS)
TOMAHAWK WC UNIT 714
EDDY COUNTY, NEW MEXICO

EXCAVATION SIDEWALL SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 3

Path: T:_ENV\Upstream\Tomahawk WC Unit 714\PRO\Tomahawk WC Unit 714.aprx\Fig 3 Excavation Sidewall Soil Sample Locations Last Saved By: av00976 7/30/2025



LEGEND:

Base Soil Sample Location

- 2' Sample Depth
- 4' Sample Depth
- Excavated Area
- Overhead Powerline

Underground Production Lines

- Plains Crude Oil
- Solars Produced Water
- ConocoPhillips Underground Production Lines Corridor

NOTE:

1. ' = FEET

Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.195301°, -104.118398°

0 200 400 Feet

GRAPHIC SCALE

COG (CONOCOPHILLIPS)
TOMAHAWK WC UNIT 714
EDDY COUNTY, NEW MEXICO

EXCAVATION BASE SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 4

Path: T:_ENV\Upstream\Tomahawk WC Unit 714\PRO\Tomahawk WC Unit 714.aprx\Fig 4 Excavation Base Soil Sample Locations Last Saved By: av\00976 7/30/2025

Photographic Logs

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
1	5/29/2025

Direction Photo Taken:

Facing E

Description:

Pre-site conditions prior to excavation. Hydro-Vac underground utilities.

32.1953, -104.1184



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
2	6/4/2025

Direction Photo Taken:

SW

Description:

4’ Excavation area near B-1.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
3	6/4/2025

Direction Photo Taken:

W

Description:

Excavation area facing W from B-34.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
4	6/4/2025

Direction Photo Taken:

E

Description:

Excavation area from B-1



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
5	7/15/2025

Direction Photo Taken:

SE

Description:

Excavation area E toward B-117.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
6	7/1/2025

Direction Photo Taken:

W

Description:

Excavation area up to 800' from the west.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
7	7/8/2025

Direction Photo Taken:

SW

Description:
Excavation area facing west from B-79.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
8	7/8/2025

Direction Photo Taken:

E

Description:

Excavation area near B-79 facing East.



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
9	7/25/2025

Direction Photo Taken:

SE

Description:

Backfill area post reclamation



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
10	7/25/2025

Direction Photo Taken:

NE

Description:

Backfill and reclamation



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
11	7/25/2025

Direction Photo Taken:

NW

Description:

Seeding



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

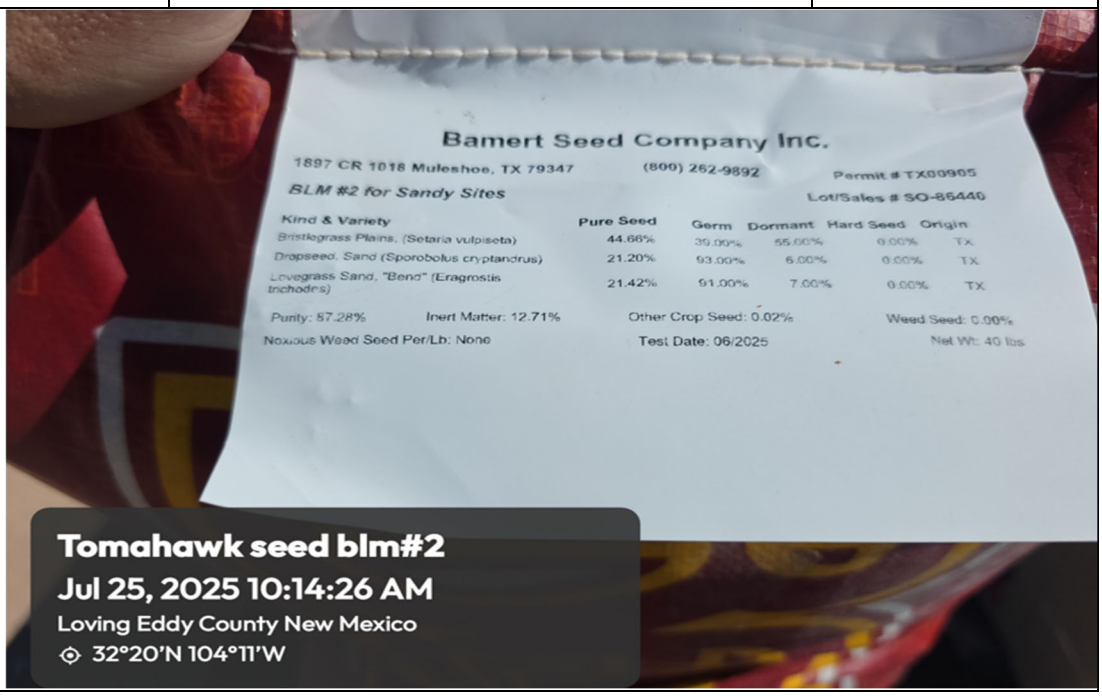
Photo No.	Date:
12	7/25/2025

Direction Photo Taken:

S

Description:

BLM #2 Seed for reclamation



Appendix A

Initial C-141 Form Incident # NAPP2430659655

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	nAPP2430659655
District RP	
Facility ID	fAPP2131529305
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Justin Carlile	Contact Telephone	(432) 202-4112
Contact email	Justin.Carlile@ConocoPhillips.com	Incident # *(assigned by OCD)*	nAPP2430659655
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.1953 Longitude -104.1184

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Tomahawk WC Unit 714	Site Type	Flowline
Date Release Discovered	October 30, 2024	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
A	30	24S	28E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 291.0659	Volume Recovered (bbls) 20
	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 damaged segment of a layflat line due to corrosion.
The release was off the pad. A vacuum truck was dispatched to remove all freestanding fluids.
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.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2430659655
District RP	
Facility ID	fAPP2131529305
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? Release was greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Immediate notification was made by Justin Carlile on Friday, November 11, 2024 via online portal.

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 not 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: Brittany Esparza Date: 2/3/2025

email: Brittany.Esparza@ConocoPhillips.com Telephone: (432) 221-0398

OCD Only

Received by: _____ Date: _____

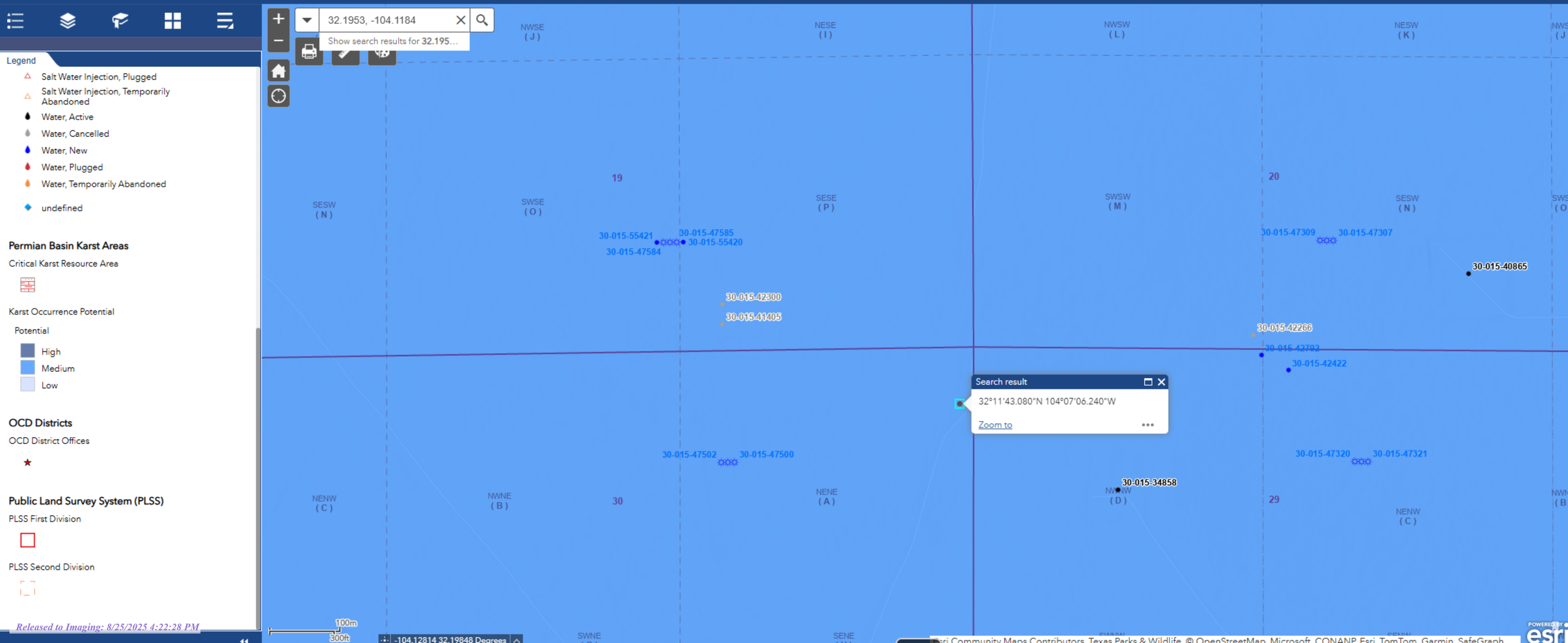
Released to Imaging: 8/25/2025 4:22:28 PM
Received by OCD: 8/22/2025 8:57:49 AM

Provide any known details about the event:	Water transfer line between EKG pond and Tomahawk WC Unit 718H			Primary Cause (dropdown):	Impingement	Secondary Cause (dropdown):		
	Was the Release to Soil / Caliche (dropdown):		Release On/Off Pad (dropdown):	Recovered Volume (bbl.) (if available, not included in volume calculations)	Release Type (dropdown):		Method of Determination (dropdown):	
BU:	Asset Area:	[redacted]	Yes	Off-Pad	20bbls	Produced Water		Field Measurement
Known Volume (dropdown):	No	[redacted]						
Known Area (dropdown):	Yes	Mapped Area (sq. ft.)	Average Depth (in.)		Total Estimated Volume of Spill (bbl.)			
		78408	0.25		291.0659			

Appendix B

Site Characterization Data

Received by OCD: 8/22/2025 8:37:40 AM



Released to Imaging: 8/25/2025 4:22:28 PM

Received by OCD: 8/22/2025 8:57:49 AM

FEMA's National Flood Hazard Layer (NFHL) Viewer

with Web AppBuilder for ArcGIS

32.1953, -104.1184

Show search results for **32.1953, -104...**

Eddy County
350120

35015C1600D
eff. 6/4/2010

Legend

- Flood Structure
- Bridge
- Dam, Weir, Jetty
- Other Structures

River Mile Markers

Limit of Moderate Wave Action

Flood Hazard Boundaries

Line Type

- Limit Lines
- SFHA / Flood Zone Boundary
- Flowage Easement Boundary

Flood Hazard Zones

Zone Type

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee

Primary Frontal Dunes

Coastal Barrier Resources System Area (US FWS)

CBRS Prohibitions

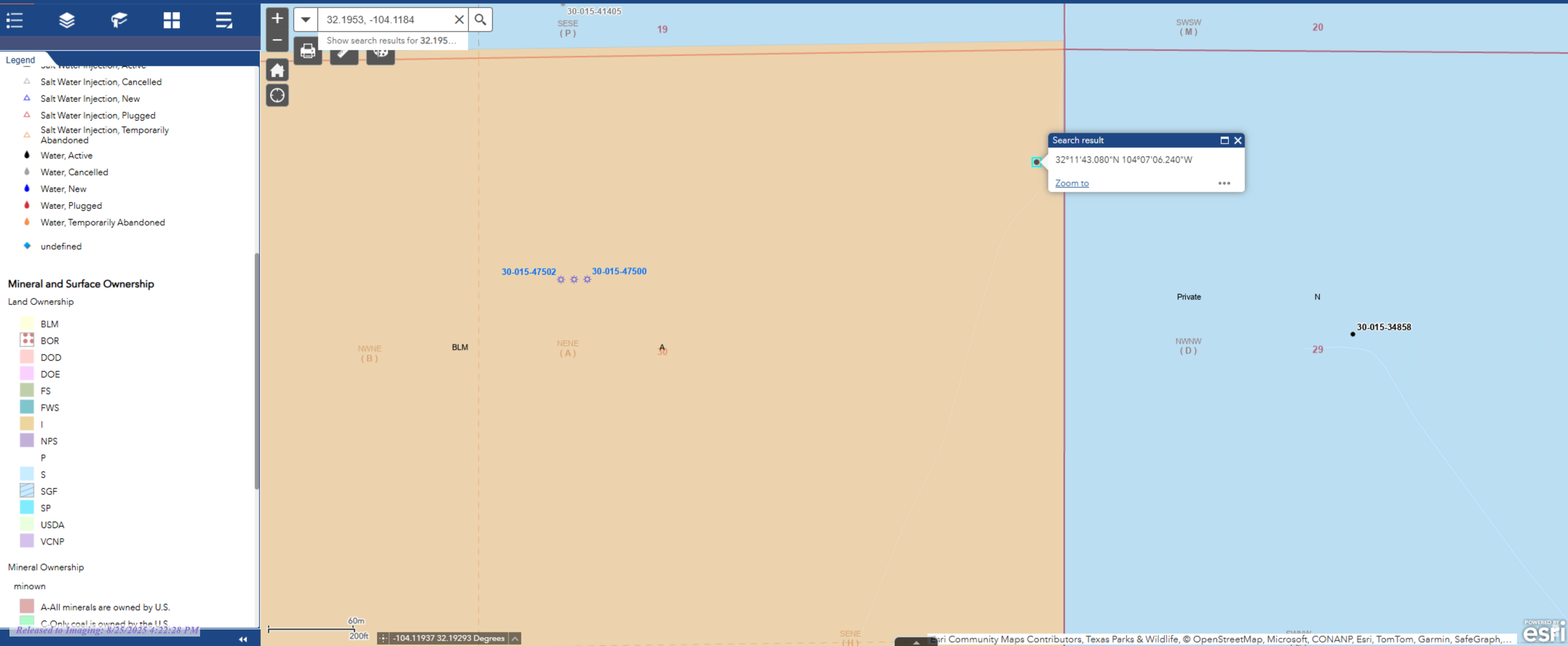
- Otherwise Protected Area
- CBRS Area

Released to Imaging: 8/25/2025 4:22:28 PM

-104.111 32.191 Degrees

USGS, USDA, The Na

Received by OCD: 8/22/2025 8:52:47 AM



Released to Imaging: 8/25/2025 4:22:28 PM

Wells With Well Log Information

(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)

(meters)

(in feet)

(in feet)

POD Number	Code	Sub basin	County	Source	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Distance	Start Date	Finish Date	Log File Date	Borehole Depth	Depth Water First Encountered	Driller	License Number
C 04501 POD1		CUB	ED		SW	SE	NW	29	24S	28E	583579.5	3561778.7	806	2020-12-10	2020-12-10	2020-12-28	80		MALEY, JASONW.TR.L.NER	1690

Record Count: 1

Basin/County Search:
County: ED

UTM Filters (in meters):
Easting: 583096.27
Northing: 3562424.20
Radius: 860

*** 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.

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C-4501 POD1	No	C-4501

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Solaris Water Midstream	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
3305 Boyd Drive	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	11	27.02	N
	LONGITUDE	104	6	46.31	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD 1690	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
12-10-2020	12-10-2020		80	dry

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): dry

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

OSE DII DEC 28 2020 AM 10:32

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4501	POD NO. 1	TRN NO. 682551	
LOCATION 24S.28E.29.143		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	24	24	Tan, fine sand	Y ✔ N	
24	47	23	Brown, very fine sand	Y ✔ N	
47	60	13	Pink-Tan, very fine sand	Y ✔ N	
60	65	5	Red-Brown, med-fine sand	Y ✔ N	
65	78	13	Red-Brown, med-fine sand, 10% brown silt/clay	Y ✔ N	
78	80	2	Red, fine sand	Y ✔ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

OSE DII DEC 28 2020 AM 10:32

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jason Maley

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Jason Maley — Jason Maley — 12/16/2020

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4501	POD NO. 1	TRN NO. 682551
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

Appendix C

Work Plan

ARCADIS

COG (ConocoPhillips)

2025 Work Plan

Tomahawk WC Unit 714

Incident # NAPP2430659655

Eddy County, New Mexico

April 2025

2025 Work Plan

Tomahawk WC Unit 714
Incident # NAPP2430659655
Eddy County, New Mexico

April 2025

Prepared By:
Arcadis U.S., Inc.
1330 Post Oak Blvd., Suite 2250
Houston
Texas 77056
Phone: 713 953 4800

Prepared For:
Ike Tavarez
Project Manager
ConocoPhillips RM&R
600 W. Illinois Ave.
Midland, TX 79701

Our Ref:
30272835

Justin Nixon
Certified Project Manager

Scott Foord, PG
Certified Project Manager

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Contents

1 Introduction 1
2 Project Summary 1
2.1 Incident # NAPP2430659655 1
3 Site Characterization 1
4 NMAC Regulatory Criteria 2
5 Site Assessment Activities 2
6 Proposed Work Plan 2
7 Work Plan Approval Request 3

Tables

Table 1. 2025 Soil Analytical Results

Figures

Figure 1. Site Location Map
Figure 2. Topographic
Figure 3. Proposed Excavation and Sample Location Map

Photographic Logs

2025 Soil Assessment Photographic Log

Appendices

Appendix A. Initial C-141 Form Incident # NAPP2430659655
Appendix B. Site Characterization
Appendix C. Laboratory Analytical Reports
Appendix D. CRI Cover Sheet

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Work Plan, on behalf of Concho Operating, LLC (COG – now ConocoPhillips), for the release site known as the Tomahawk WC Unit 714 (Site) located at 32.1953, -104.1184. 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 4.6-miles southwest of the City of Malaga in Unit A, Section 30, Township 24 South, Range 28 East, Eddy County, New Mexico. The site is located within a medium karst area. A Site Location Map is included as **Figure 1** and a Topographic Map as **Figure 2**.

2.1 Incident # NAPP2430659655

According to the Initial C-141 Form, on October 30, 2024, a damaged segment of layflat line due to corrosion resulted in the release of approximately 291.0659 barrels (bbls) of produced water to ground surface at the Site with 20 bbls recovered. The Initial C-141 Form was submitted to the NMOCD on February 3, 2025, and assigned Incident ID number NAPP2430659655. The Initial C-141 Form is included as **Appendix A.**

3 Site Characterization

After a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there's a known water well approximately 0.5-mile from the Site with a reported depth of 80' below ground surface (bgs) to a dry bottom casing. The site characterization and water well data can be found in **Appendix B.**

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

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

4 NMAC Regulatory Criteria

Per Table I of NMAC part 19.15.29.12, the following closure criteria apply to the Site for reclamation and remediation activities due to being in a medium karst area:

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

5 Site Assessment Activities

On March 7, 2025, Arcadis performed site assessment activities to evaluate soil impacts stemming from the release. A total of forty (40) sample points were advanced to depths ranging from the surface to 3 feet bgs inside and surrounding the release area to evaluate the vertical and horizontal extents of the release. Soil sample locations are shown on **Figure 3**.

Horizontal and vertical delineation was achieved during the initial soil assessment confirming impact from the release is delineated below the NMOCD standards for both reclamation and remediation. Arcadis will use this data to guide reclamation and remediation activities prior to collecting any laboratory analytical samples. Soil sample analytical results are summarized in **Table 1**. Laboratory reports for soil samples collected during the initial site assessment, including analytical methods, results, and chain-of-custody documents, are attached in **Appendix C.**

6 Proposed Work Plan

Based on the analytical data and the detected chloride concentrations in soil samples collected during site assessment activities, COG proposes to remediate the areas shown in **Figure 3**, based on analytical data depicted in **Table 1**.

The proposed excavation is approximately 1,500 feet long and an average of 90 feet wide and encompasses a surface area of approximately 135,256 square feet. The majority of the release's impact was confirmed to have been confined to within the first 1-2 feet bgs within the release area that is primarily located between a service road and a subsurface pipeline corridor. Some pooling occurred within the eastern and western pasture areas and chloride impact was confirmed to depths of less than 4 feet bgs.

During the assessment phase, all BTEX and TPH concentrations were reported below the NMOCD reclamation limits shown in Section 4. TPH was detected below the restoration screening criteria at two sampling locations at concentrations of 30.8 mg/kg and 68.6 mg/kg. No BTEX constituents were reported above laboratory detection limits. Chloride concentrations ranged from 3.90 mg/kg to 10,400 mg/kg within the release area. In accordance

with NMAC 19.15.29.12(D)(1)(b) COG proposes the following alternative confirmation sampling plan as a variance request to adhere with NMOCD requirements. Five-point composite confirmation soil samples will be collected from the excavation floor and sidewalls at 500 square foot intervals for analysis of chloride by EPA Method 300.0, BTEX by EPA Method 8260, and TPH for GRO, DRO, and ORO by EPA Method 8015. Lateral limits of the excavation will halt once confirmation sample analytical results are in accordance with NMAC 19.15.29.12(D)(1)(c

An estimated 12,673 cubic yards of soil will be removed and transported to the nearest NMOCD approved disposal facility. Following completion of excavation activities, the areas will be backfilled with clean material and reclaimed to match the original surface conditions and drainage.

A cultural resource inventory (CRI) was conducted on February 27, 2025, to determine if there are any archeological findings as defined by the Bureau of Land Management. After the assessment, nothing was found to conflict with the release area. The findings from the CRI were submitted to the BLM Archaeological department following completion of the survey on March 10, 2025. The completed survey cover sheet is included in **Appendix D.**

The disturbed areas will be reseeded during the first favorable growing season following closure of the site in accordance with NMAC part 19.15.29.13 with an BLM #2 approved seed mixture.

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

7 Work Plan Approval Request

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

Tables

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Table 1
2025 Soil Analytical Results
COG (Conoco Phillips)
Tomahawk WC Unit 714
Eddy County, New Mexico

ARCADIS

Sample ID	Sample Date	Soil Status	Depth	BTEX Methods							TPH Methods				Cl Method
				Benzene	Toluene	Ethylbenzene	m-Xylene & p-Xylene	o-Xylene	Xylenes, Total	Total BTEX	GRO C6-C10	DRO C10-C28	ORO C28-C36	Total TPH	Chloride
			(ft)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
H-1-0-1'	3/7/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	68.8 F1	<15.1	68.8	24.7
H-2-0-1'	3/7/2025	In Situ	0-1'	<0.00138	<0.00198	<0.00108	<0.00226	<0.00157	<0.00226	<0.00226	<14.4	<15.0	<15.0	<15.0	3.90 J
H-3-0-1'	3/7/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00229	<0.00158	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	8.71 J
H-4-0-1'	3/7/2025	In Situ	0-1'	<0.00139	<0.00199	<0.00108	<0.00228	<0.00158	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	20.3
H-5-0-1'	3/7/2025	In Situ	0-1'	<0.00140	<0.00201	<0.00109	<0.00229	<0.00159	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	11.2
H-6-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	18.9 J	<15.1	18.9 J	86.4 F1
H-7-0-1'	3/7/2025	In Situ	0-1'	<0.00140	<0.00201	<0.00110	<0.00230	<0.00159	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	60.9
H-8-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00229	<0.00159	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	115
H-9-0-1'	3/11/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	122
H-10-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	215
H-11-0-1'	3/10/2025	In Situ	0-1'	<0.00138	<0.00199	<0.00108	<0.00227	<0.00157	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	222
H-12-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00199	<0.00108	<0.00228	<0.00158	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	143
H-13-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	537
H-14-0-1'	3/7/2025	In Situ	0-1'	<0.00141	<0.00202	<0.00110	<0.00231	<0.00160	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	20.0
H-15-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00229	<0.00159	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	96.7
H-16-0-1'	3/10/2025	In Situ	0-1'	<0.00140	<0.00201	<0.00110	<0.00230	<0.00159	<0.00230	<0.00230	<14.5	30.8 J	<15.1	30.8 J	103
H-17-0-1'	3/11/2025	In Situ	0-1'	<0.00140	<0.00201	<0.00109	<0.00229	<0.00159	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	6.96 J
H-18-0-1'	3/7/2025	Stepped out	0-1'	<0.00139	<0.00199	<0.00108	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	**864**
H-18-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	110
H-19-0-1'	3/10/2025	In Situ	0-1'	<0.00138	<0.00198	<0.00108	<0.00226	<0.00157	<0.00226	<0.00226	<14.4	<15.0	<15.0	<15.0	131
H-20-0-1'	3/10/2025	In Situ	0-1'	<0.00138	<0.00199	<0.00108	<0.00227	<0.00157	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	118 F1
H-21-0-1'	3/7/2025	In Situ	0-1'	<0.00138	<0.00199	<0.00108	<0.00227	<0.00157	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	34.1
H-22-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	105
H-23-0-1'	3/7/2025	In Situ	0-1'	<0.00138	<0.00198	<0.00108	<0.00227	<0.00157	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	27.7
S-24-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00229	<0.00159	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	94.9
S-24-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	12.7
S-25-0-1'	3/12/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	85.4
S-25-1'-2'	3/12/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	73.9
S-25-2'-3'	3/12/2025	In Situ	2'-3'	--	--	--	--	--	--	--	--	--	--	--	113
S-25-3'-4'	3/12/2025	In Situ	3'-4'	--	--	--	--	--	--	--	--	--	--	--	139
S-25-4'-5'	3/12/2025	In Situ	4'-5'	--	--	--	--	--	--	--	--	--	--	--	176
S-26-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	208
S-26-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	201
S-27-0-1'	3/10/2025	In Situ	0-1'	<0.00138	<0.00199	<0.00108	<0.00227	<0.00157	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	124
S-27-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	98.3
S-28-0-1'	3/11/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**4,560 F1**
S-28-1'-2'	3/11/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	**844**
S-28-2'-3'	3/11/2025	In Situ	2'-3'	--	--	--	--	--	--	--	--	--	--	--	**1,270**
S-28-3'-4'	3/11/2025	In Situ	3'-4'	--	--	--	--	--	--	--	--	--	--	--	135
S-28-4'-5'	3/11/2025	In Situ	4'-5'	<0.00138	<0.00199	<0.00108	<0.00227	<0.00157	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	92.4
S-28-5'-6'	3/12/2025	In Situ	5'-6'	--	--	--	--	--	--	--	--	--	--	--	141
S-29-0-1'	3/10/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**5,530**
S-29-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	160

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Table 1
2025 Soil Analytical Results
COG (Conoco Phillips)
Tomahawk WC Unit 714
Eddy County, New Mexico

ARCADIS

Sample ID	Sample Date	Soil Status	Depth	BTEX Methods							TPH Methods				CI Method
				Benzene	Toluene	Ethylbenzene	m-Xylene & p-Xylene	o-Xylene	Xylenes, Total	Total BTEX	GRO C6-C10	DRO C10-C28	ORO C28-C36	Total TPH	Chloride
			(ft)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S-29-2'-3'	3/10/2025	In Situ	2'-3'	<0.00139	<0.00200 F1	<0.00109 F1	<0.00228 F1	<0.00158 F1	<0.00228 F1	<0.00228	<14.4	<15.0	<15.0	<15.0	159
S-30-0-1'	3/10/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**2,230**
S-30-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	135
S-30-2'-3'	3/10/2025	In Situ	2'-3'	<0.00139	<0.00199	<0.00108	<0.00228	<0.00158	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	181
S-31-0-1'	3/10/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**2,970**
S-31-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	201 F1
S-31-2'-3'	3/10/2025	In Situ	2'-3'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	147
S-32-0-1'	3/10/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**3,210**
S-32-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	183
S-32-2'-3'	3/10/2025	In Situ	2'-3'	<0.00139	<0.00200	<0.00109	<0.00229	<0.00159	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	391
S-33-0-1'	3/10/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**3,640**
S-33-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	242
S-33-2'-3'	3/10/2025	In Situ	2'-3'	<0.00140	<0.00201	<0.00110	<0.00230	<0.00159	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	109
S-34-0-1'	3/10/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**2,480**
S-34-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	158
S-34-2'-3'	3/10/2025	In Situ	2'-3'	--	--	--	--	--	--	--	--	--	--	--	80.7
S-34-3'-4'	3/11/2025	In Situ	3'-4'	--	--	--	--	--	--	--	--	--	--	--	118
S-34-4'-5'	3/11/2025	In Situ	4'-5'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	148
S-34-5'-6'	3/12/2025	In Situ	5'-6'	--	--	--	--	--	--	--	--	--	--	--	347
S-35-0-1'	3/10/2025	In Situ	0-1'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	500
S-35-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	133
S-35-2'-3'	3/10/2025	In Situ	2'-3'	--	--	--	--	--	--	--	--	--	--	--	235
S-36-0-1'	3/10/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**601**
S-36-1'-2'	3/10/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	98.9
S-36-2'-3'	3/10/2025	In Situ	2'-3'	<0.00138	<0.00198	<0.00108	<0.00226	<0.00157	<0.00226	<0.00226	<14.4	<15.0	<15.0	<15.0	111
S-37-0-1'	3/11/2025	In Situ	0-1'	<0.00138	<0.00198	<0.00108	<0.00227	<0.00157	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	387
S-37-1'-2'	3/11/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	106
S-37-2'-3'	3/11/2025	In Situ	2'-3'	<0.00140	<0.00201	<0.00110	<0.00230	<0.00159	<0.00230	<0.00230	<14.4	<15.0	<15.0	<15.0	242
S-38-0-1'	3/11/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**3,600**
S-38-1'-2'	3/11/2025	In Situ	1'-2'	--	--	--	--	--	--	--	--	--	--	--	249
S-38-2'-3'	3/11/2025	In Situ	2'-3'	<0.00141	<0.00202	<0.00110	<0.00231	<0.00160	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	194
S-38-3'-4'	3/12/2025	In Situ	3'-4'	--	--	--	--	--	--	--	--	--	--	--	178 F1
S-38-4'-5'	3/12/2025	In Situ	4'-5'	--	--	--	--	--	--	--	--	--	--	--	167
S-39-0-1'	3/11/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	99.9
S-39-1'-2'	3/11/2025	In Situ	1'-2'	<0.00140	<0.00202	<0.00110	<0.00230	<0.00160	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	72.0
S-39-2'-3'	3/11/2025	In Situ	2'-3'	<0.00138	<0.00198	<0.00108	<0.00226	<0.00157	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	6.30 J
S-39-3'-4'	3/12/2025	In Situ	3'-4'	--	--	--	--	--	--	--	--	--	--	--	98.9
S-39-4'-5'	3/12/2025	In Situ	4'-5'	--	--	--	--	--	--	--	--	--	--	--	82.4
S-40-0-1'	3/11/2025	In Situ	0-1'	--	--	--	--	--	--	--	--	--	--	--	**10,400**
S-40-1'-2'	3/11/2025	In Situ	1'-2'	<0.00139	<0.00200	<0.00109	<0.00228	<0.00158	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	**4,240**
S-40-2'-3'	3/11/2025	In Situ	2'-3'	--	--	--	--	--	--	--	--	--	--	--	**1,950**
S-40-3'-4'	3/12/2025	In Situ	3'-4'	--	--	--	--	--	--	--	--	--	--	--	189
S-40-4'-5'	3/12/2025	In Situ	4'-5'	<0.00139	<0.00200	<0.00109	<0.00229	<0.00159	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	183
NMOCD Reclamation Standard				**10**	**--**	**--**	**--**	**--**	**--**	**50**	**--**	**--**	**--**	**100**	**600**
NMOCD Closure Criteria				**10**	**--**	**--**	**--**	**--**	**--**	**50**	**--**	**--**	**--**	**100**	**600**

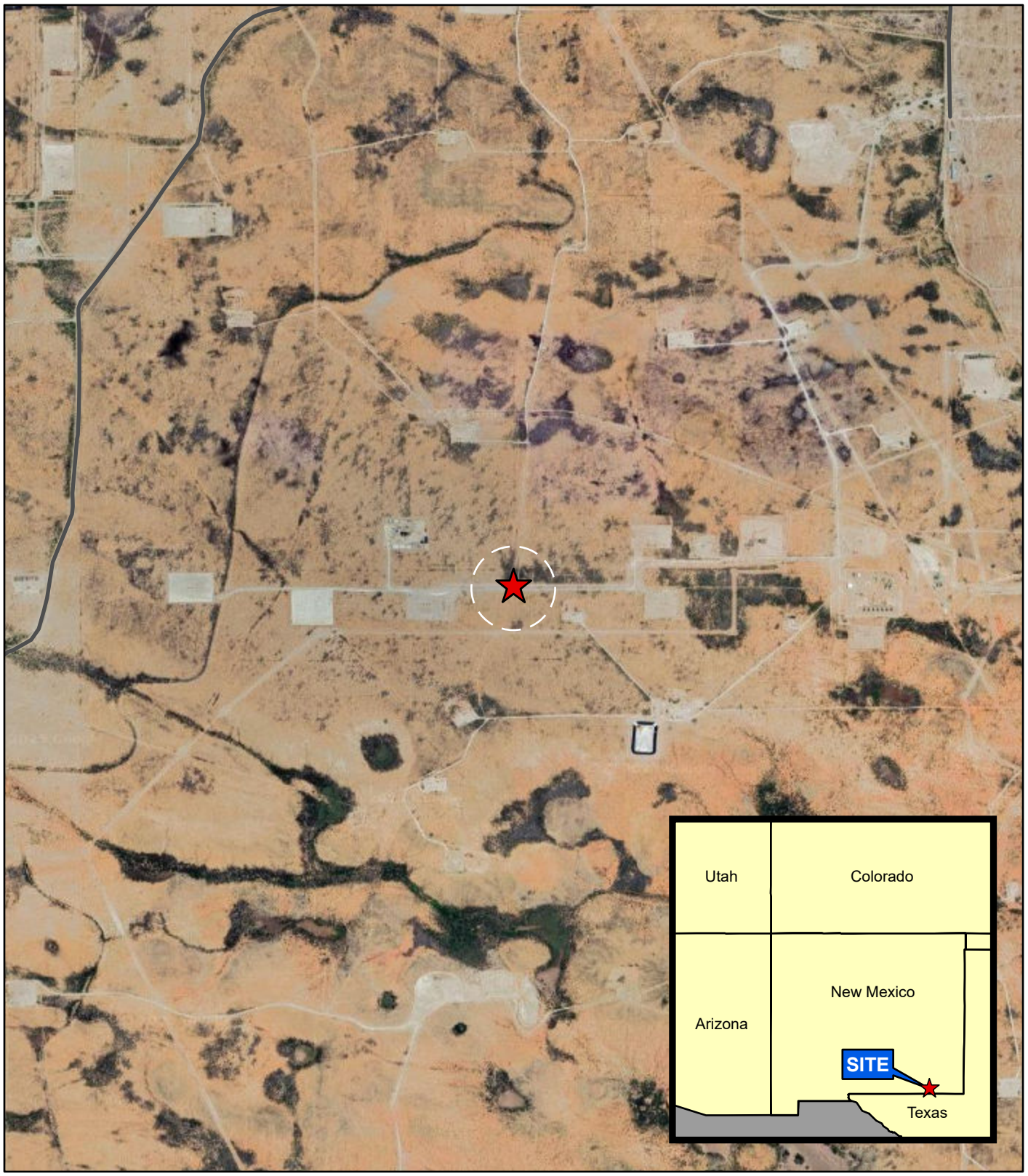
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2025 Soil Analytical Results
COG (Conoco Phillips)
Tomahawk WC Unit 714
Eddy County, New Mexico

Legend:
BOLD: Analytes exceedng New Mexico Administration Code (NMAC) standards are indicated in bold.
'<' indicates the analyte was not detected at or above the Method Detection Limit (MDL)
J: Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
F1: Matrix Spike and/or Matrix Spike Duplicate recovery exceeds control limits.
mg/kg: Milligram per Kilogram
BTEX : Benzene, Toluene, Ethylbenzene, and Total Xylenes
TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics
TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics
TPH ORO: Total Petroluem Hydrocarbons Oil Range Organics
" ' " : Indicates one foot
ft: foot
H: Horizontal sample
S: Vertical sample

Notes:
1. Chloride analyzed by EPA Method 300
2. Total TPH analyzed by SW846-8015 NM
3. TPH GRO, DRO and ORO are analyzed by SW846-8015B NM
4. BTEX analyzed by SW846-8021B
5. Total BTEX analyzed by TAL SOP
6. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
NMOCD: New Mexico Oild Conservation Division
--: No individual standard/ Not analyzed

Figures



Legend

Site Location

Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.195301°, -104.118398°

0 2,000 4,000 Feet

GRAPHIC SCALE

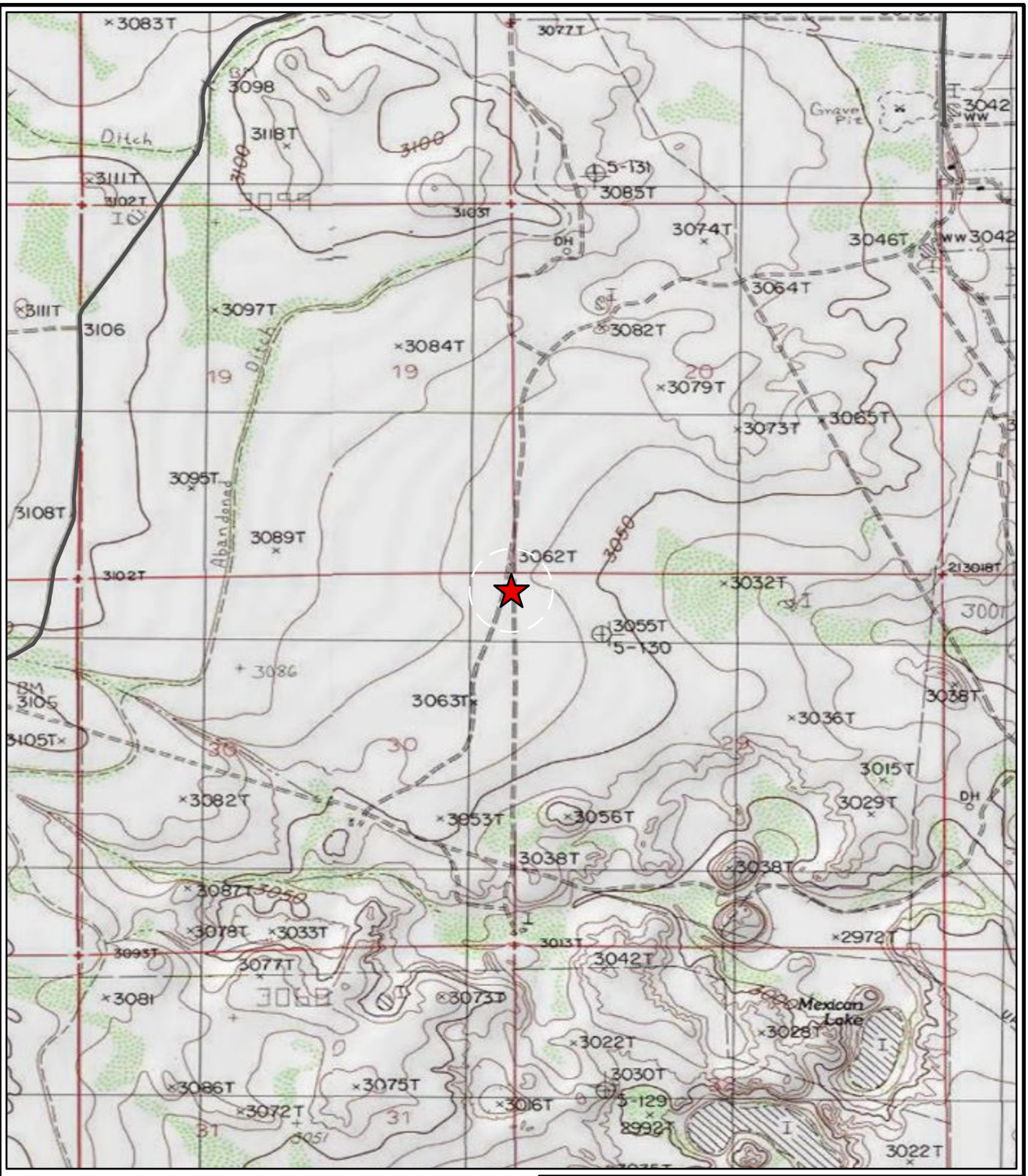
COG (CONOCOPHILLIPS)
TOMAHAWK WC UNIT 714
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP

ARCADIS

FIGURE 1

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: joym8537 ; Client (Project #)
T:_ENV\Upstream\Tomahawk WC Unit 714\PRO\Tomahawk WC Unit 714.aprx 3/25/2025 4:58 PM



Legend

Site Location

Datum: D_WGS_1984
Source: ESRI Online, USGS 24,000 K Topo (Map Service)
Red Lake, New Mexico Quadrangle
Site Location: 32.195301°, -104.118398°

0 2,000 4,000 Feet

GRAPHIC SCALE

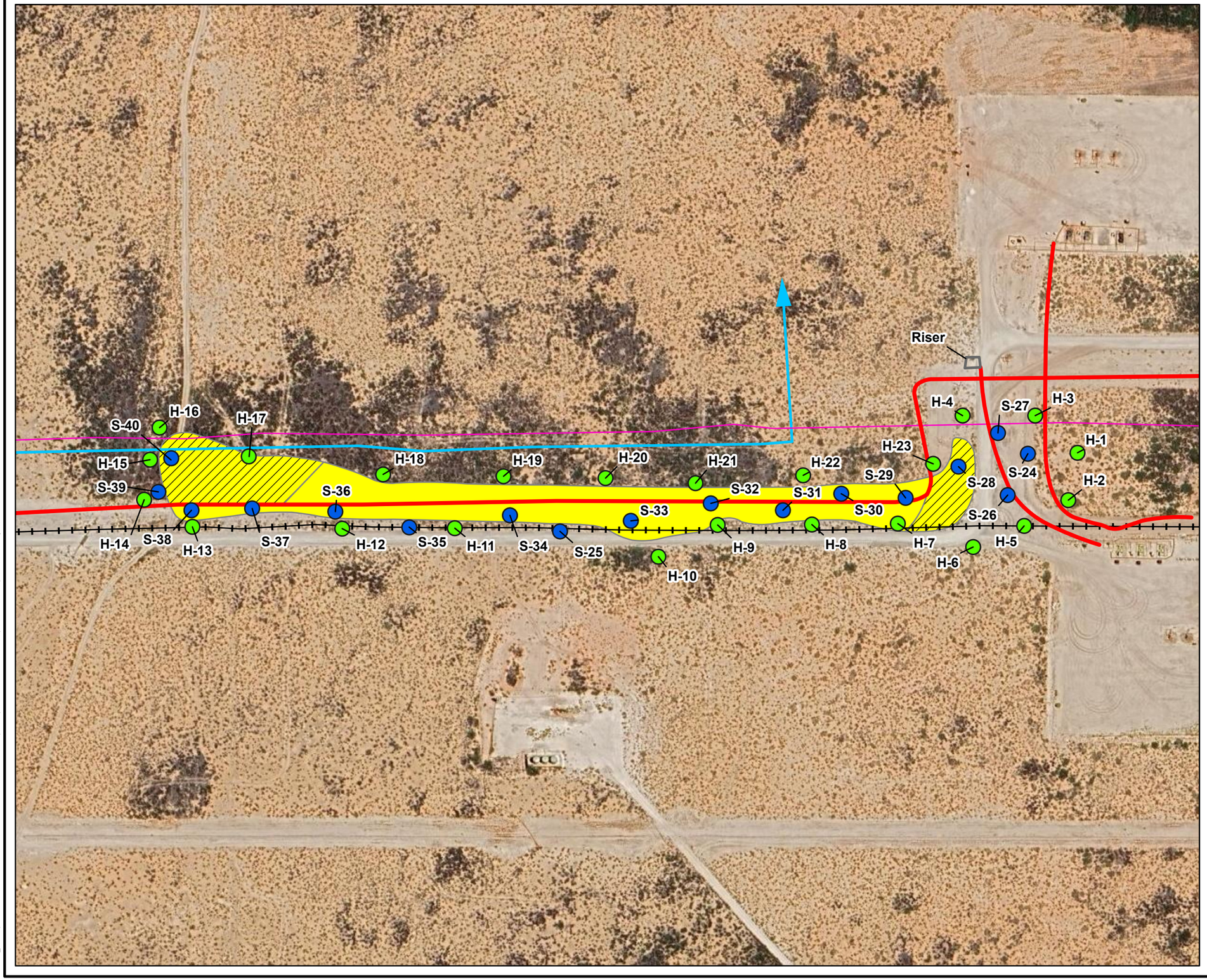
COG (CONOCOPHILLIPS)
TOMAHAWK WC UNIT 714
EDDY COUNTY, NEW MEXICO

TOPOGRAPHIC MAP

ARCADIS

FIGURE 2

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: joym8537 ; Client (Project #)
T:_ENV\Upstream\Tomahawk WC Unit 714\PRO\Tomahawk WC Unit 714.aprx 3/25/2025 4:58 PM



LEGEND

- Horizontal Sample Location
- Vertical Sample Location
- Proposed Excavation Area - 2' Depth
- Proposed Excavation Area - 4' Depth
- Overhead Powerline

Underground Production Lines

- Plains Crude Oil
- Solars Produced Water
- ConocoPhillips Underground Production Lines Corridor

NOTES:

1. ' = FEET

0 200 400

Feet

GRAPHIC SCALE

COG (CONOCOPHILLIPS)
TOMAHAWK WC UNIT 714
EDDY COUNTY, NEW MEXICO

PROPOSED EXCAVATION AND SAMPLE LOCATION MAP

ARCADIS

FIGURE
3

Path: T:_ENV\Upstream\Tomahawk WC Unit 714\PRO\Tomahawk WC Unit 714.aprx\Proposed Excavation and Sample Locations Map Last Saved By: avl00976 4/14/2025

Photographic Logs

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
1	02/13/2025

Direction Photo Taken:

W

Description:

Release area

32.1953, -104.1184



ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Tomahawk WC Unit 714	Eddy County, NM	NAPP2430659655

Photo No.	Date:
2	02/13/2025

Direction Photo Taken:

N

Description:

Release area

32.1953, -104.1184



Appendix A

Initial C-141 Form Incident # NAPP2430659655

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	nAPP2430659655
District RP	
Facility ID	fAPP2131529305
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Justin Carlile	Contact Telephone	(432) 202-4112
Contact email	Justin.Carlile@ConocoPhillips.com	Incident # *(assigned by OCD)*	nAPP2430659655
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.1953 Longitude -104.1184

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Tomahawk WC Unit 714	Site Type	Flowline
Date Release Discovered	October 30, 2024	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
A	30	24S	28E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 291.0659	Volume Recovered (bbls) 20
	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 damaged segment of a layflat line due to corrosion.
The release was off the pad. A vacuum truck was dispatched to remove all freestanding fluids.
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.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2430659655
District RP	
Facility ID	fAPP2131529305
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? Release was greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Immediate notification was made by Justin Carlile on Friday, November 11, 2024 via online portal.

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 not 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: Brittany Esparza Date: 2/3/2025

email: Brittany.Esparza@ConocoPhillips.com Telephone: (432) 221-0398

OCD Only

Received by: _____ Date: _____

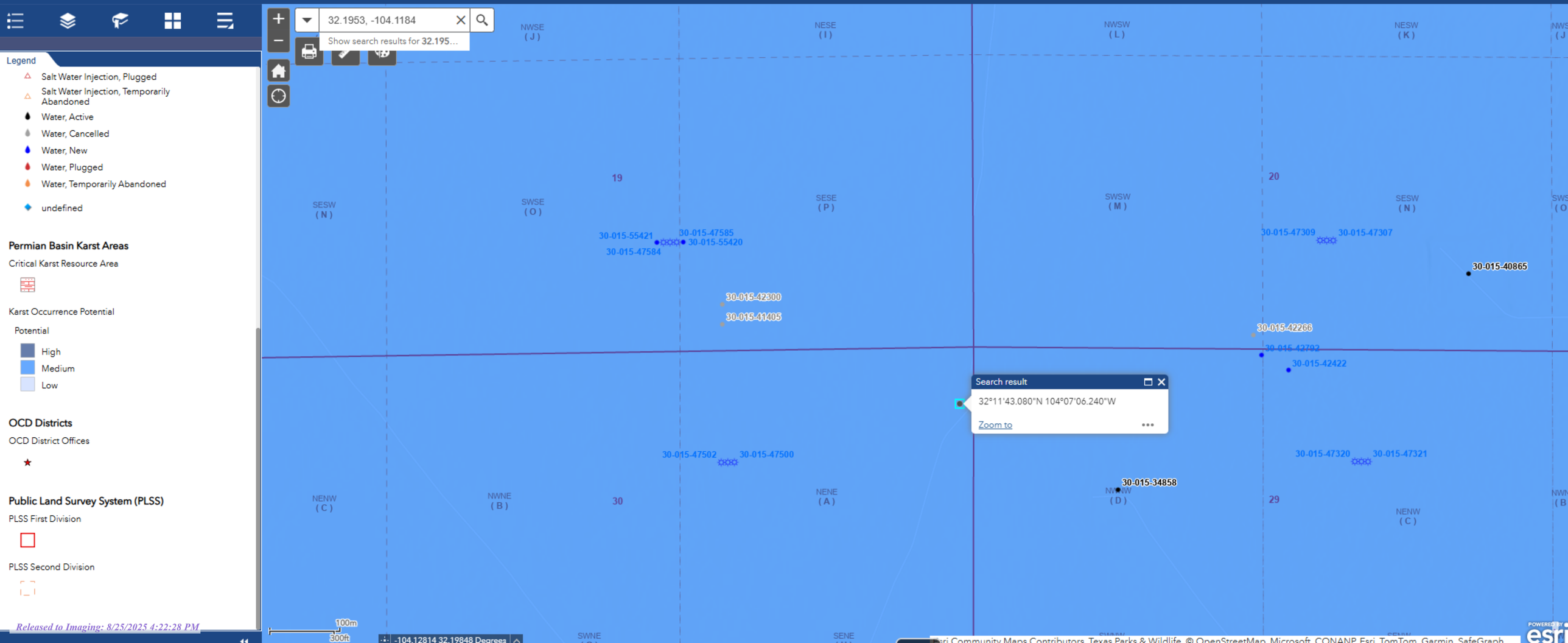
Released to Imaging: 8/25/2025 4:22:28 PM
Received by OCD: 8/22/2025 8:57:49 AM

Provide any known details about the event:	Water transfer line between EKG pond and Tomahawk WC Unit 718H			Primary Cause (dropdown):	Impingement	Secondary Cause (dropdown):		
	Was the Release to Soil / Caliche (dropdown):		Release On/Off Pad (dropdown):	Recovered Volume (bbl.) (if available, not included in volume calculations)	Release Type (dropdown):		Method of Determination (dropdown):	
BU:	Asset Area: [redacted]	Yes		Off-Pad	20bbls	Produced Water		Field Measurement
Known Volume (dropdown):	No	[redacted]						
Known Area (dropdown):	Yes	Mapped Area (sq. ft.)	Average Depth (in.)		Total Estimated Volume of Spill (bbl.)			
		78408	0.25		291.0659			

Appendix B

Site Characterization

Received by OCD: 8/22/2025 8:37:40 AM



Released to Imaging: 8/25/2025 4:22:28 PM

Received by OCD: 8/22/2025 8:57:49 AM

FEMA's National Flood Hazard Layer (NFHL) Viewer

with Web AppBuilder for ArcGIS

32.1953, -104.1184

Show search results for **32.1953, -104...**

Eddy County
350120

35015C1600D
eff. 6/4/2010

Legend

- Flood Structure
- Bridge
- Dam, Weir, Jetty
- Other Structures

River Mile Markers

Limit of Moderate Wave Action

Flood Hazard Boundaries

Line Type

- Limit Lines
- SFHA / Flood Zone Boundary
- Flowage Easement Boundary

Flood Hazard Zones

Zone Type

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee

Primary Frontal Dunes

Coastal Barrier Resources System Area (US FWS)

CBRS Prohibitions

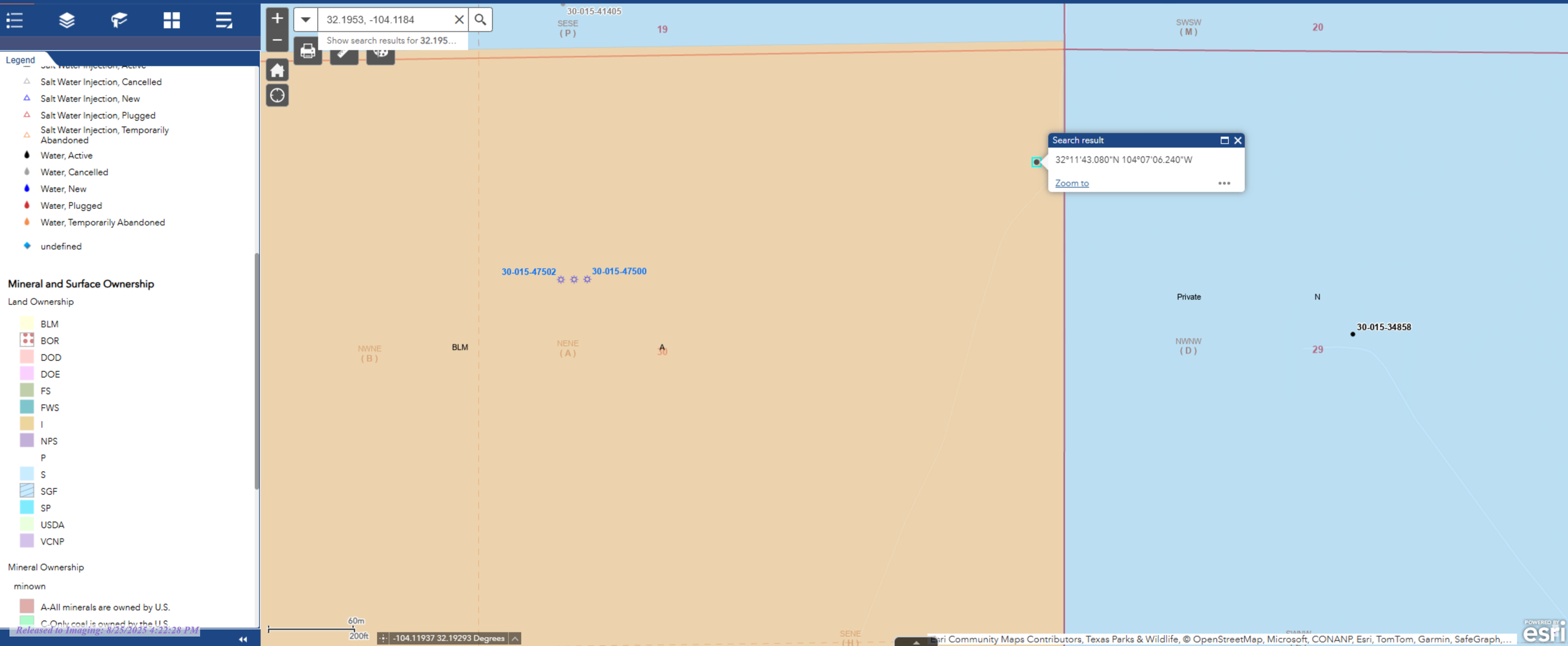
- Otherwise Protected Area
- CBRS Area

Released to Imaging: 8/25/2025 4:22:28 PM

-104.111 32.191 Degrees

USGS, USDA, The Na

Received by OCD: 8/22/2025 8:52:16 AM



Legend

- Salt Water Injection, Cancelled
- Salt Water Injection, New
- Salt Water Injection, Plugged
- Salt Water Injection, Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged
- Water, Temporarily Abandoned
- undefined

Mineral and Surface Ownership

Land Ownership

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

Mineral Ownership

minown

- A-All minerals are owned by U.S.
- C-Only coal is owned by the U.S.

Released to Imaging: 8/25/2025 4:22:28 PM

Wells With Well Log Information

(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)

(meters)

(in feet)

(in feet)

POD Number	Code	Sub basin	County	Source	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Distance	Start Date	Finish Date	Log File Date	Borehole Depth	Depth Water First Encountered	Driller	License Number
C 04501 POD1		CUB	ED		SW	SE	NW	29	24S	28E	583579.5	3561778.7	806	2020-12-10	2020-12-10	2020-12-28	80		MALEY, JASONW.TR.L.NER	1690

Record Count: 1

Basin/County Search:
County: ED

UTM Filters (in meters):
Easting: 583096.27
Northing: 3562424.20
Radius: 860

*** 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.

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C-4501 POD1	No	C-4501

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Solaris Water Midstream	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
3305 Boyd Drive	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	11	27.02	N
	LONGITUDE	104	6	46.31	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD 1690	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
12-10-2020	12-10-2020		80	dry

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): dry

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

OSE DII DEC 28 2020 AM 10:32

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4501	POD NO. 1	TRN NO. 682551	
LOCATION 24S.28E.29.143		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	24	24	Tan, fine sand	Y ✔ N	
24	47	23	Brown, very fine sand	Y ✔ N	
47	60	13	Pink-Tan, very fine sand	Y ✔ N	
60	65	5	Red-Brown, med-fine sand	Y ✔ N	
65	78	13	Red-Brown, med-fine sand, 10% brown silt/clay	Y ✔ N	
78	80	2	Red, fine sand	Y ✔ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

OSE DII DEC 28 2020 AM 10:32

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jason Maley

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Jason Maley — Jason Maley — 12/16/2020

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4501	POD NO. 1	TRN NO. 682551
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

Appendix C

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
Arcadis US Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 4/8/2025 9:05:16 PM Revision 4

JOB DESCRIPTION

Tomahawk WC Unit 714
Eddy County, NM

JOB NUMBER

880-55599-2

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 8/25/2025 4:22:28 PM

my EOL

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
4/8/2025 9:05:16 PM
Revision 4

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Laboratory Job ID: 880-55599-2
SDG: Eddy County, NM

Table of Contents

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Definitions/Glossary

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 880-55599-2

Job ID: 880-55403-1 Eurofins Midland

Job Narrative
880-55403-1

REVISION

The report being provided is a revision of the original report sent on 3/11/2025. The report (revision 3) is being revised due to Revised report to correct client sample ID per client instruction..

Report revision history
Revision 2 - 3/27/2025 - Reason - Revised report to create a merged version per client request..
Revision 1 - 3/26/2025 - Reason - Per client email, requesting nomenclature correction.

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 3/7/2025 5:07 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 20.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1-0-1' (880-55403-1), H-2-0-1' (880-55403-2), H-3-0-1' (880-55403-3), H-4-0-1' (880-55403-4), H-5-0-1' (880-55403-5), H-7-0-1' (880-55403-6), H-14-0-1' (880-55403-7), H-21-0-1' (880-55403-8), H-23-0-1' (880-55403-9) and H-18-0-1' (880-55403-10).

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 880-55599-2

Job ID: 880-55403-2 Eurofins Midland

Job Narrative
880-55403-2

REVISION

The report being provided is a revision of the original report sent on 3/18/2025. The report (revision 1) is being revised due to Per client email, requesting nomenclature correction.

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.

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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 matrix spike (MS) recoveries for preparation batch 880-105195 and analytical batch 880-105218 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-105195/2-A) and (LCSD 880-105195/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-3-0-1' (880-55403-3), H-5-0-1' (880-55403-5), (890-7809-A-1-A) and (890-7809-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-105297 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. The associated sample is impacted: (CCV 880-105297/32).

Passing CCV within 20 samples from the last passing CCV and within 12 hours; All data is valid

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 880-55599-2

Job ID: 880-55403-3 Eurofins Midland

Job Narrative
880-55403-3

REVISION

The report being provided is a revision of the original report sent on 3/20/2025. The report (revision 1) is being revised due to Per client email, requesting nomenclature correction.

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 3/7/2025 5:07 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 20.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1-0-1' (880-55403-1), H-2-0-1' (880-55403-2), H-3-0-1' (880-55403-3), H-4-0-1' (880-55403-4), H-5-0-1' (880-55403-5), H-7-0-1' (880-55403-6), H-14-0-1' (880-55403-7), H-21-0-1' (880-55403-8), H-23-0-1' (880-55403-9) and H-18-0-1' (880-55403-10).

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 880-105620 and analytical batch 880-105636 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-18-0-1' (880-55403-10), (LCS 880-105620/2-A), (LCSD 880-105620/3-A), (890-7832-A-1-B), (890-7832-A-1-C MS) and (890-7832-A-1-D MSD). Evidence of matrix interferences is not obvious.

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 880-55599-2

Job ID: 880-55502-1 Eurofins Midland

Job Narrative
880-55502-1

REVISION

The report being provided is a revision of the original report sent on 3/12/2025. The report (revision 1) is being revised due to Per client email, requesting nomenclature correction.

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 3/11/2025 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105058 and analytical batch 880-105064 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-31-1'-2' (880-55502-31), S-31-2'-3' (880-55502-32), S-32-0-1' (880-55502-33), S-32-1'-2' (880-55502-34), S-32-2'-3' (880-55502-35), S-33-0-1' (880-55502-36), S-33-1'-2' (880-55502-37), S-33-2'-3' (880-55502-38), S-35-0-1' (880-55502-39), S-35-1'-2' (880-55502-40), (880-55502-A-31-B MS) and (880-55502-A-31-C MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105057 and analytical batch 880-105061 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: H-6-0-1' (880-55502-1), (880-55502-A-1-B MS) and (880-55502-A-1-C MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105057 and analytical batch 880-105061 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: H-20-0-1' (880-55502-11), (880-55502-A-11-B MS) and (880-55502-A-11-C MSD).

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 880-55599-2

Job ID: 880-55502-2 Eurofins Midland

Job Narrative
880-55502-2

REVISION

The report being provided is a revision of the original report sent on 3/26/2025. The report (revision 1) is being revised due to Per client email, requesting nomenclature correction.

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 3/11/2025 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105579 and analytical batch 880-105631 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.

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-6-0-1' (880-55502-1), H-8-0-1' (880-55502-2), H-10-0-1' (880-55502-3), H-11-0-1' (880-55502-4), H-12-0-1' (880-55502-5), H-13-0-1' (880-55502-6), (LCS 880-105580/2-A), (LCSD 880-105580/3-A), (880-55738-A-120-C), (880-55738-A-120-D MS) and (880-55738-A-120-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-105588 and analytical batch 880-105638 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-30-2'-3' (880-55502-29), S-31-2'-3' (880-55502-32), S-32-2'-3' (880-55502-35), S-33-2'-3' (880-55502-38), S-35-0-1' (880-55502-39), S-36-2'-3' (880-55502-44), (880-55502-A-29-D MS) and (880-55502-A-29-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-105866 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. The associated sample is impacted: (CCV 880-105866/32).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-15-0-1' (880-55502-7), H-16-0-1' (880-55502-8), H-18-0-1' (880-55502-9), H-20-0-1' (880-55502-11), H-22-0-1' (880-55502-12), S-29-2'-3' (880-55502-15), S-24-0-1' (880-55502-16), S-26-0'-1' (880-55502-19) and S-27-0-1' (880-55502-22). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-105811 and analytical batch 880-105866 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-19-0-1' (880-55502-10).

Eurofins Midland

Case Narrative

Client: Arcadis US Inc. Job ID: 880-55599-2
Project: Tomahawk WC Unit 714

Job ID: 880-55502-2 (Continued) Eurofins Midland

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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 880-55599-2

Job ID: 880-55599-1 Eurofins Midland

Job Narrative
880-55599-1

REVISION

The report being provided is a revision of the original report sent on 3/14/2025. The report (revision 1) is being revised due to Per client email, requesting nomenclature correction.

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 3/13/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105221 and analytical batch 880-105223 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-28-0-1' (880-55599-1), S-28-1'-2' (880-55599-2), S-28-2'-3' (880-55599-3), H-9-0-1' (880-55599-4), H-10-0-1' (880-55599-5), H-17-0-1' (880-55599-6), S-28-3'-4' (880-55599-7), S-28-4'-5' (880-55599-8), S-34-3'-4' (880-55599-9), S-34-4'-5' (880-55599-10), (880-55599-A-1-B MS) and (880-55599-A-1-C MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105222 and analytical batch 880-105241 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-40-1'-2' (880-55599-21), S-25-0-1' (880-55599-23), S-25-1'-2' (880-55599-24), S-25-2'-3' (880-55599-25), S-25-3'-4' (880-55599-26), S-25-4'-5' (880-55599-27) and H-18-0-1' (880-55599-28).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105222 and analytical batch 880-105241 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-40-2'-3' (880-55599-22), S-38-3'-4' (880-55599-29), S-38-4'-5' (880-55599-30), S-28-5'-6' (880-55599-31), S-34-5'-6' (880-55599-32), S-39-3'-4' (880-55599-33), S-39-4'-5' (880-55599-34), S-40-3'-4' (880-55599-35), S-40-4'-5' (880-55599-36), (880-55599-A-29-B MS) and (880-55599-A-29-C MSD).

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 880-55599-2

Job ID: 880-55599-2 Eurofins Midland

Job Narrative
880-55599-2

REVISION

The report being provided is a revision of the original report sent on 3/24/2025. The report (revision 1) is being revised due to Per client email, requesting nomenclature correction.

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 3/13/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.0°C.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-105588 and analytical batch 880-105638 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-9-0-1' (880-55599-4), H-10-0-1' (880-55599-5), H-17-0-1' (880-55599-6), S-28-4'-5' (880-55599-8), S-34-4'-5' (880-55599-10), S-37-0-1' (880-55599-11), S-38-2'-3' (880-55599-16), S-39-2'-3' (880-55599-19), H-18-0-1' (880-55599-28), S-40-4'-5' (880-55599-36), (880-55502-A-29-C), (880-55502-A-29-D MS) and (880-55502-A-29-E 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.

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-1-0-1'

Date Collected: 03/07/25 09:30
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

Lab Sample ID: 880-55403-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/12/25 08:19	03/12/25 16:16	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/12/25 08:19	03/12/25 16:16	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/12/25 08:19	03/12/25 16:16	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/12/25 08:19	03/12/25 16:16	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/12/25 08:19	03/12/25 16:16	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/12/25 08:19	03/12/25 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/12/25 08:19*	*03/12/25 16:16*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/12/25 08:19*	*03/12/25 16:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/12/25 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**68.8**		50.0	15.1	mg/Kg			03/13/25 11:40	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	<14.5	U	50.0	14.5	mg/Kg		03/13/25 08:06	03/13/25 11:40	1
Diesel Range Organics (Over C10-C28)	**68.8**	**F1**	50.0	15.1	mg/Kg		03/13/25 08:06	03/13/25 11:40	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/13/25 08:06	03/13/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/13/25 08:06*	*03/13/25 11:40*	*1*
o-Terphenyl	*79*		*70 - 130*	*03/13/25 08:06*	*03/13/25 11:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.7**		10.1	0.398	mg/Kg			03/11/25 09:18	1

Client Sample ID: H-2-0-1'

Date Collected: 03/07/25 09:40
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

Lab Sample ID: 880-55403-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		03/12/25 08:19	03/12/25 16:36	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		03/12/25 08:19	03/12/25 16:36	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		03/12/25 08:19	03/12/25 16:36	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		03/12/25 08:19	03/12/25 16:36	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		03/12/25 08:19	03/12/25 16:36	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		03/12/25 08:19	03/12/25 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/12/25 08:19*	*03/12/25 16:36*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-2-0-1' Lab Sample ID: 880-55403-2

Date Collected: 03/07/25 09:40 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/12/25 08:19*	*03/12/25 16:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			03/12/25 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/13/25 12:24	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	<14.4	U	49.7	14.4	mg/Kg		03/13/25 08:06	03/13/25 12:24	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/13/25 08:06	03/13/25 12:24	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/13/25 08:06	03/13/25 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*77*		*70 - 130*	*03/13/25 08:06*	*03/13/25 12:24*	*1*
o-Terphenyl	*76*		*70 - 130*	*03/13/25 08:06*	*03/13/25 12:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.90**	**J**	10.0	0.397	mg/Kg			03/11/25 14:20	1

Client Sample ID: H-3-0-1' Lab Sample ID: 880-55403-3

Date Collected: 03/07/25 09:50 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/12/25 08:19	03/12/25 16:57	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/12/25 08:19	03/12/25 16:57	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/12/25 08:19	03/12/25 16:57	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/12/25 08:19	03/12/25 16:57	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/12/25 08:19	03/12/25 16:57	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/12/25 08:19	03/12/25 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/12/25 08:19*	*03/12/25 16:57*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/12/25 08:19*	*03/12/25 16:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			03/12/25 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/14/25 13:24	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-3-0-1' Lab Sample ID: 880-55403-3

Date Collected: 03/07/25 09:50 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 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	<14.4	U	49.7	14.4	mg/Kg		03/14/25 08:16	03/14/25 13:24	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/14/25 08:16	03/14/25 13:24	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/14/25 08:16	03/14/25 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*03/14/25 08:16*	*03/14/25 13:24*	*1*
o-Terphenyl	*157*	*S1+*	*70 - 130*	*03/14/25 08:16*	*03/14/25 13:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.71**	**J**	10.1	0.399	mg/Kg			03/11/25 14:26	1

Client Sample ID: H-4-0-1' Lab Sample ID: 880-55403-4

Date Collected: 03/07/25 10:00 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		03/12/25 08:19	03/12/25 17:17	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/12/25 08:19	03/12/25 17:17	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/12/25 08:19	03/12/25 17:17	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		03/12/25 08:19	03/12/25 17:17	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		03/12/25 08:19	03/12/25 17:17	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		03/12/25 08:19	03/12/25 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/12/25 08:19*	*03/12/25 17:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/12/25 08:19*	*03/12/25 17:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			03/12/25 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/13/25 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		03/13/25 08:06	03/13/25 12:53	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/13/25 08:06	03/13/25 12:53	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/13/25 08:06	03/13/25 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*03/13/25 08:06*	*03/13/25 12:53*	*1*
o-Terphenyl	*126*		*70 - 130*	*03/13/25 08:06*	*03/13/25 12:53*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-4-0-1' Lab Sample ID: 880-55403-4

Date Collected: 03/07/25 10:00 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.3		9.96	0.393	mg/Kg			03/11/25 14:32	1

Client Sample ID: H-5-0-1' Lab Sample ID: 880-55403-5

Date Collected: 03/07/25 10:10 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		03/12/25 08:19	03/12/25 17:38	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		03/12/25 08:19	03/12/25 17:38	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		03/12/25 08:19	03/12/25 17:38	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		03/12/25 08:19	03/12/25 17:38	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		03/12/25 08:19	03/12/25 17:38	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		03/12/25 08:19	03/12/25 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/12/25 08:19*	*03/12/25 17:38*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/12/25 08:19*	*03/12/25 17:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			03/12/25 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			03/14/25 13:40	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	<14.5	U	49.9	14.5	mg/Kg		03/14/25 08:16	03/14/25 13:40	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/14/25 08:16	03/14/25 13:40	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/14/25 08:16	03/14/25 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*03/14/25 08:16*	*03/14/25 13:40*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*03/14/25 08:16*	*03/14/25 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		9.92	0.392	mg/Kg			03/11/25 14:38	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-7-0-1'

Date Collected: 03/07/25 10:20
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

Lab Sample ID: 880-55403-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		03/12/25 08:19	03/12/25 17:58	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		03/12/25 08:19	03/12/25 17:58	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		03/12/25 08:19	03/12/25 17:58	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		03/12/25 08:19	03/12/25 17:58	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		03/12/25 08:19	03/12/25 17:58	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		03/12/25 08:19	03/12/25 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/12/25 08:19*	*03/12/25 17:58*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/12/25 08:19*	*03/12/25 17:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			03/12/25 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/14/25 17:25	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	<14.5	U	50.0	14.5	mg/Kg		03/14/25 08:16	03/14/25 17:25	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/14/25 08:16	03/14/25 17:25	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/14/25 08:16	03/14/25 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*03/14/25 08:16*	*03/14/25 17:25*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/14/25 08:16*	*03/14/25 17:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.9**		10.1	0.398	mg/Kg			03/11/25 15:04	1

Client Sample ID: H-14-0-1'

Date Collected: 03/07/25 10:30
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

Lab Sample ID: 880-55403-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		03/12/25 08:19	03/12/25 18:19	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		03/12/25 08:19	03/12/25 18:19	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		03/12/25 08:19	03/12/25 18:19	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		03/12/25 08:19	03/12/25 18:19	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		03/12/25 08:19	03/12/25 18:19	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		03/12/25 08:19	03/12/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/12/25 08:19*	*03/12/25 18:19*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-14-0-1' Lab Sample ID: 880-55403-7

Date Collected: 03/07/25 10:30 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/12/25 08:19*	*03/12/25 18:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			03/12/25 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/13/25 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/13/25 08:06	03/13/25 13:39	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/13/25 08:06	03/13/25 13:39	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/13/25 08:06	03/13/25 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*03/13/25 08:06*	*03/13/25 13:39*	*1*
o-Terphenyl	*72*		*70 - 130*	*03/13/25 08:06*	*03/13/25 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.0**		9.94	0.393	mg/Kg			03/11/25 15:10	1

Client Sample ID: H-21-0-1' Lab Sample ID: 880-55403-8

Date Collected: 03/07/25 10:40 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		03/12/25 08:19	03/12/25 18:39	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/12/25 08:19	03/12/25 18:39	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/12/25 08:19	03/12/25 18:39	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		03/12/25 08:19	03/12/25 18:39	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		03/12/25 08:19	03/12/25 18:39	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		03/12/25 08:19	03/12/25 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/12/25 08:19*	*03/12/25 18:39*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/12/25 08:19*	*03/12/25 18:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			03/12/25 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/13/25 13:54	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-21-0-1'

Lab Sample ID: 880-55403-8
Matrix: Solid
Date Collected: 03/07/25 10:40
Date Received: 03/07/25 17:07
Sample Depth: 0 - 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	<14.4	U	49.7	14.4	mg/Kg		03/13/25 08:06	03/13/25 13:54	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/13/25 08:06	03/13/25 13:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/13/25 08:06	03/13/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*03/13/25 08:06*	*03/13/25 13:54*	*1*
o-Terphenyl	*76*		*70 - 130*	*03/13/25 08:06*	*03/13/25 13:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.1**		9.98	0.394	mg/Kg			03/11/25 15:16	1

Client Sample ID: H-23-0-1'

Lab Sample ID: 880-55403-9
Matrix: Solid
Date Collected: 03/07/25 10:50
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		03/12/25 08:19	03/12/25 19:00	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		03/12/25 08:19	03/12/25 19:00	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		03/12/25 08:19	03/12/25 19:00	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		03/12/25 08:19	03/12/25 19:00	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		03/12/25 08:19	03/12/25 19:00	1
Xylenes, Total	<0.00227	U	0.00397	0.00227	mg/Kg		03/12/25 08:19	03/12/25 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/12/25 08:19*	*03/12/25 19:00*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/12/25 08:19*	*03/12/25 19:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00397	0.00227	mg/Kg			03/12/25 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/13/25 14:09	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	<14.5	U	49.8	14.5	mg/Kg		03/13/25 08:06	03/13/25 14:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/13/25 08:06	03/13/25 14:09	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/13/25 08:06	03/13/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*03/13/25 08:06*	*03/13/25 14:09*	*1*
o-Terphenyl	*70*		*70 - 130*	*03/13/25 08:06*	*03/13/25 14:09*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-23-0-1' Lab Sample ID: 880-55403-9

Date Collected: 03/07/25 10:50 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.7		9.92	0.392	mg/Kg			03/11/25 15:22	1

Client Sample ID: H-18-0-1' Lab Sample ID: 880-55403-10

Date Collected: 03/07/25 11:00 **Matrix: Solid**
Date Received: 03/07/25 17:07
Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		03/20/25 11:36	03/20/25 13:57	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/20/25 11:36	03/20/25 13:57	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/20/25 11:36	03/20/25 13:57	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		03/20/25 11:36	03/20/25 13:57	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		03/20/25 11:36	03/20/25 13:57	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		03/20/25 11:36	03/20/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/20/25 11:36*	*03/20/25 13:57*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/20/25 11:36*	*03/20/25 13:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			03/20/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/20/25 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		03/20/25 08:21	03/20/25 13:00	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/20/25 08:21	03/20/25 13:00	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/20/25 08:21	03/20/25 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*178*	*S1+*	*70 - 130*	*03/20/25 08:21*	*03/20/25 13:00*	*1*
o-Terphenyl	*183*	*S1+*	*70 - 130*	*03/20/25 08:21*	*03/20/25 13:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	864		10.0	0.396	mg/Kg			03/11/25 15:27	1

Client Sample ID: H-6-0-1' Lab Sample ID: 880-55502-1

Date Collected: 03/10/25 09:30 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/19/25 23:02	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-6-0-1' Lab Sample ID: 880-55502-1

Date Collected: 03/10/25 09:30 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/19/25 23:02	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/19/25 23:02	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/19/25 23:02	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:24	03/19/25 23:02	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/19/25 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/19/25 13:24*	*03/19/25 23:02*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/19/25 13:24*	*03/19/25 23:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/19/25 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.9**	**J**	50.0	15.1	mg/Kg			03/20/25 19:49	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	<14.5	U	50.0	14.5	mg/Kg		03/19/25 13:39	03/20/25 19:49	1
Diesel Range Organics (Over C10-C28)	**18.9**	**J**	50.0	15.1	mg/Kg		03/19/25 13:39	03/20/25 19:49	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 13:39	03/20/25 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*476*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 19:49*	*1*
o-Terphenyl	*492*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 19:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.4**	**F1**	9.92	0.392	mg/Kg			03/12/25 06:16	1

Client Sample ID: H-8-0-1' Lab Sample ID: 880-55502-2

Date Collected: 03/10/25 09:35 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/20/25 01:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/20/25 01:26	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/20/25 01:26	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:24	03/20/25 01:26	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		03/19/25 13:24	03/20/25 01:26	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:24	03/20/25 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/19/25 13:24*	*03/20/25 01:26*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/19/25 13:24*	*03/20/25 01:26*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-8-0-1'

Date Collected: 03/10/25 09:35
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			03/20/25 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/20/25 20:04	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	<14.4	U	49.7	14.4	mg/Kg		03/19/25 13:39	03/20/25 20:04	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 13:39	03/20/25 20:04	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 13:39	03/20/25 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*163*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:04*	*1*
o-Terphenyl	*165*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		10.0	0.397	mg/Kg			03/12/25 06:34	1

Client Sample ID: H-10-0-1'

Date Collected: 03/10/25 09:40
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/20/25 01:46	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/20/25 01:46	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/20/25 01:46	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 01:46	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:24	03/20/25 01:46	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/19/25 13:24*	*03/20/25 01:46*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/19/25 13:24*	*03/20/25 01:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			03/20/25 20:20	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	<14.5	U	49.9	14.5	mg/Kg		03/19/25 13:39	03/20/25 20:20	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 13:39	03/20/25 20:20	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-10-0-1' Lab Sample ID: 880-55502-3

Date Collected: 03/10/25 09:40 **Matrix: Solid**
Date Received: 03/11/25 14:35

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)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 13:39	03/20/25 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:20*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		9.94	0.393	mg/Kg			03/12/25 14:59	1

Client Sample ID: H-11-0-1' Lab Sample ID: 880-55502-4

Date Collected: 03/10/25 09:45 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		03/19/25 13:24	03/20/25 02:07	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/19/25 13:24	03/20/25 02:07	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/19/25 13:24	03/20/25 02:07	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		03/19/25 13:24	03/20/25 02:07	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		03/19/25 13:24	03/20/25 02:07	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		03/19/25 13:24	03/20/25 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/19/25 13:24*	*03/20/25 02:07*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*03/19/25 13:24*	*03/20/25 02:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			03/20/25 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/20/25 20:35	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	<14.5	U	50.0	14.5	mg/Kg		03/19/25 13:39	03/20/25 20:35	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 13:39	03/20/25 20:35	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 13:39	03/20/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*172*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:35*	*1*
o-Terphenyl	*173*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**222**		9.96	0.393	mg/Kg			03/12/25 15:05	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-12-0-1' Lab Sample ID: 880-55502-5

Date Collected: 03/10/25 09:50 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		03/19/25 13:24	03/20/25 03:31	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/19/25 13:24	03/20/25 03:31	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/19/25 13:24	03/20/25 03:31	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		03/19/25 13:24	03/20/25 03:31	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		03/19/25 13:24	03/20/25 03:31	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		03/19/25 13:24	03/20/25 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/19/25 13:24*	*03/20/25 03:31*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/19/25 13:24*	*03/20/25 03:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			03/20/25 03:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			03/20/25 20:51	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	<14.4	U	49.6	14.4	mg/Kg		03/19/25 13:39	03/20/25 20:51	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 13:39	03/20/25 20:51	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 13:39	03/20/25 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*162*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:51*	*1*
o-Terphenyl	*163*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 20:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		9.98	0.394	mg/Kg			03/12/25 06:51	1

Client Sample ID: H-13-0-1' Lab Sample ID: 880-55502-6

Date Collected: 03/10/25 09:55 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/20/25 03:51	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/20/25 03:51	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/20/25 03:51	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 03:51	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:24	03/20/25 03:51	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/19/25 13:24*	*03/20/25 03:51*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/19/25 13:24*	*03/20/25 03:51*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-13-0-1' Lab Sample ID: 880-55502-6

Date Collected: 03/10/25 09:55 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 03:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/20/25 21:06	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	<14.5	U	49.8	14.5	mg/Kg		03/19/25 13:39	03/20/25 21:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/19/25 13:39	03/20/25 21:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/19/25 13:39	03/20/25 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*159*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 21:06*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*03/19/25 13:39*	*03/20/25 21:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**537**		10.1	0.398	mg/Kg			03/12/25 13:17	1

Client Sample ID: H-15-0-1' Lab Sample ID: 880-55502-7

Date Collected: 03/10/25 10:00 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/20/25 04:12	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/20/25 04:12	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/20/25 04:12	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:24	03/20/25 04:12	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		03/19/25 13:24	03/20/25 04:12	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:24	03/20/25 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/19/25 13:24*	*03/20/25 04:12*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/19/25 13:24*	*03/20/25 04:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			03/20/25 04:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			03/24/25 12:59	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	<14.5	U	49.9	14.5	mg/Kg		03/21/25 16:25	03/24/25 12:59	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/21/25 16:25	03/24/25 12:59	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-15-0-1' Lab Sample ID: 880-55502-7

Date Collected: 03/10/25 10:00 **Matrix: Solid**
Date Received: 03/11/25 14:35

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)	<15.1	U	49.9	15.1	mg/Kg		03/21/25 16:25	03/24/25 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*179*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 12:59*	*1*
o-Terphenyl	*174*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 12:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.7**		9.94	0.393	mg/Kg			03/12/25 13:23	1

Client Sample ID: H-16-0-1' Lab Sample ID: 880-55502-8

Date Collected: 03/10/25 10:05 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		03/19/25 13:24	03/20/25 04:32	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		03/19/25 13:24	03/20/25 04:32	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		03/19/25 13:24	03/20/25 04:32	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		03/19/25 13:24	03/20/25 04:32	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		03/19/25 13:24	03/20/25 04:32	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		03/19/25 13:24	03/20/25 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/19/25 13:24*	*03/20/25 04:32*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/19/25 13:24*	*03/20/25 04:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			03/20/25 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30.8**	**J**	49.9	15.1	mg/Kg			03/24/25 13:48	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	<14.5	U	49.9	14.5	mg/Kg		03/21/25 16:25	03/24/25 13:48	1
Diesel Range Organics (Over C10-C28)	**30.8**	**J**	49.9	15.1	mg/Kg		03/21/25 16:25	03/24/25 13:48	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/21/25 16:25	03/24/25 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*227*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 13:48*	*1*
o-Terphenyl	*213*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 13:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		10.0	0.395	mg/Kg			03/12/25 13:28	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-18-0-1' Lab Sample ID: 880-55502-9

Date Collected: 03/10/25 10:10 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/20/25 04:53	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/20/25 04:53	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/20/25 04:53	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 04:53	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:24	03/20/25 04:53	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/19/25 13:24*	*03/20/25 04:53*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/19/25 13:24*	*03/20/25 04:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 04:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/24/25 14:04	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	<14.5	U	49.8	14.5	mg/Kg		03/21/25 16:25	03/24/25 14:04	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 14:04	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*181*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 14:04*	*1*
o-Terphenyl	*179*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 14:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		10.0	0.397	mg/Kg			03/12/25 13:34	1

Client Sample ID: H-19-0-1' Lab Sample ID: 880-55502-10

Date Collected: 03/10/25 10:15 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		03/19/25 13:24	03/20/25 05:13	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		03/19/25 13:24	03/20/25 05:13	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		03/19/25 13:24	03/20/25 05:13	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		03/19/25 13:24	03/20/25 05:13	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		03/19/25 13:24	03/20/25 05:13	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		03/19/25 13:24	03/20/25 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/19/25 13:24*	*03/20/25 05:13*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/19/25 13:24*	*03/20/25 05:13*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-19-0-1' Lab Sample ID: 880-55502-10

Date Collected: 03/10/25 10:15 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			03/20/25 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/25/25 12:48	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	<14.4	U	49.7	14.4	mg/Kg		03/19/25 07:32	03/25/25 12:48	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 07:32	03/25/25 12:48	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 07:32	03/25/25 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*194*	*S1+*	*70 - 130*	*03/19/25 07:32*	*03/25/25 12:48*	*1*
o-Terphenyl	*189*	*S1+*	*70 - 130*	*03/19/25 07:32*	*03/25/25 12:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		10.1	0.399	mg/Kg			03/12/25 13:40	1

Client Sample ID: H-20-0-1' Lab Sample ID: 880-55502-11

Date Collected: 03/10/25 10:20 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		03/19/25 13:24	03/20/25 05:33	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/19/25 13:24	03/20/25 05:33	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/19/25 13:24	03/20/25 05:33	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		03/19/25 13:24	03/20/25 05:33	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		03/19/25 13:24	03/20/25 05:33	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		03/19/25 13:24	03/20/25 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/19/25 13:24*	*03/20/25 05:33*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/19/25 13:24*	*03/20/25 05:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			03/20/25 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/24/25 15:27	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	<14.5	U	49.8	14.5	mg/Kg		03/21/25 16:25	03/24/25 15:27	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 15:27	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-20-0-1' Lab Sample ID: 880-55502-11

Date Collected: 03/10/25 10:20 **Matrix: Solid**
Date Received: 03/11/25 14:35

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)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*250*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 15:27*	*1*
o-Terphenyl	*223*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 15:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**	**F1**	9.90	0.391	mg/Kg			03/12/25 07:37	1

Client Sample ID: H-22-0-1' Lab Sample ID: 880-55502-12

Date Collected: 03/10/25 10:25 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/20/25 05:54	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/20/25 05:54	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/20/25 05:54	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 05:54	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:24	03/20/25 05:54	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:24	03/20/25 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/19/25 13:24*	*03/20/25 05:54*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/19/25 13:24*	*03/20/25 05:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/24/25 15:43	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	<14.5	U	49.8	14.5	mg/Kg		03/21/25 16:25	03/24/25 15:43	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 15:43	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*234*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 15:43*	*1*
o-Terphenyl	*226*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 15:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		9.90	0.391	mg/Kg			03/12/25 07:54	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-29-0-1' — Lab Sample ID: 880-55502-13

Date Collected: 03/10/25 10:30 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5530		49.9	1.97	mg/Kg			03/12/25 08:00	5

Client Sample ID: S-29-1'-2' — Lab Sample ID: 880-55502-14

Date Collected: 03/10/25 10:35 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.1	0.398	mg/Kg			03/12/25 08:18	1

Client Sample ID: S-29-2'-3' — Lab Sample ID: 880-55502-15

Date Collected: 03/10/25 10:40 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:36	03/20/25 14:22	1
Toluene	<0.00200	U F1	0.00200	0.00200	mg/Kg		03/19/25 13:36	03/20/25 14:22	1
Ethylbenzene	<0.00109	U F1	0.00200	0.00109	mg/Kg		03/19/25 13:36	03/20/25 14:22	1
m-Xylene & p-Xylene	<0.00228	U F1	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 14:22	1
o-Xylene	<0.00158	U F1	0.00200	0.00158	mg/Kg		03/19/25 13:36	03/20/25 14:22	1
Xylenes, Total	<0.00228	U F1	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/19/25 13:36*	*03/20/25 14:22*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/19/25 13:36*	*03/20/25 14:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/24/25 15:59	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	<14.4	U	49.7	14.4	mg/Kg		03/21/25 16:25	03/24/25 15:59	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/21/25 16:25	03/24/25 15:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/21/25 16:25	03/24/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*272*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 15:59*	*1*
o-Terphenyl	*247*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 15:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		9.94	0.393	mg/Kg			03/12/25 08:23	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-24-0-1' Lab Sample ID: 880-55502-16

Date Collected: 03/10/25 10:45 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:36	03/20/25 14:43	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:36	03/20/25 14:43	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:36	03/20/25 14:43	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:36	03/20/25 14:43	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		03/19/25 13:36	03/20/25 14:43	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:36	03/20/25 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/19/25 13:36*	*03/20/25 14:43*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/19/25 13:36*	*03/20/25 14:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			03/20/25 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/24/25 16:15	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	<14.5	U	49.8	14.5	mg/Kg		03/21/25 16:25	03/24/25 16:15	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 16:15	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/21/25 16:25	03/24/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*237*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 16:15*	*1*
o-Terphenyl	*218*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 16:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.9**		10.0	0.395	mg/Kg			03/12/25 08:29	1

Client Sample ID: S-24-1'-2' Lab Sample ID: 880-55502-17

Date Collected: 03/10/25 10:50 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.7**		10.0	0.395	mg/Kg			03/12/25 08:35	1

Client Sample ID: S-26-0'-1' Lab Sample ID: 880-55502-19

Date Collected: 03/10/25 11:00 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:36	03/20/25 15:04	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:36	03/20/25 15:04	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:36	03/20/25 15:04	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-26-0'-1' Lab Sample ID: 880-55502-19
Date Collected: 03/10/25 11:00 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 15:04	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:36	03/20/25 15:04	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/19/25 13:36*	*03/20/25 15:04*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/19/25 13:36*	*03/20/25 15:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/24/25 16:31	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	<14.5	U	50.0	14.5	mg/Kg		03/21/25 16:25	03/24/25 16:31	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/21/25 16:25	03/24/25 16:31	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/21/25 16:25	03/24/25 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*225*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 16:31*	*1*
o-Terphenyl	*205*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 16:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		9.94	0.393	mg/Kg			03/12/25 08:46	1

Client Sample ID: S-26-1'-2' Lab Sample ID: 880-55502-20
Date Collected: 03/10/25 11:05 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**201**		10.1	0.397	mg/Kg			03/12/25 08:52	1

Client Sample ID: S-27-0-1' Lab Sample ID: 880-55502-22
Date Collected: 03/10/25 11:15 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		03/19/25 13:36	03/20/25 15:24	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/19/25 13:36	03/20/25 15:24	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/19/25 13:36	03/20/25 15:24	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		03/19/25 13:36	03/20/25 15:24	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		03/19/25 13:36	03/20/25 15:24	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		03/19/25 13:36	03/20/25 15:24	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-27-0-1' Lab Sample ID: 880-55502-22

Date Collected: 03/10/25 11:15 **Matrix: Solid**
Date Received: 03/11/25 14:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/19/25 13:36*	*03/20/25 15:24*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/19/25 13:36*	*03/20/25 15:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			03/20/25 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/24/25 16:47	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	<14.5	U	50.0	14.5	mg/Kg		03/21/25 16:25	03/24/25 16:47	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/21/25 16:25	03/24/25 16:47	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/21/25 16:25	03/24/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*166*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 16:47*	*1*
o-Terphenyl	*154*	*S1+*	*70 - 130*	*03/21/25 16:25*	*03/24/25 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		10.0	0.395	mg/Kg			03/12/25 08:07	1

Client Sample ID: S-27-1'-2' Lab Sample ID: 880-55502-23

Date Collected: 03/10/25 11:20 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.3**		10.1	0.399	mg/Kg			03/12/25 08:13	1

Client Sample ID: S-34-0-1' Lab Sample ID: 880-55502-24

Date Collected: 03/10/25 11:25 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2480**		50.5	1.99	mg/Kg			03/12/25 08:19	5

Client Sample ID: S-34-1'-2' Lab Sample ID: 880-55502-25

Date Collected: 03/10/25 11:30 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		10.0	0.396	mg/Kg			03/12/25 08:25	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-34-2'-3' Lab Sample ID: 880-55502-26
Date Collected: 03/10/25 11:35 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.7		9.94	0.393	mg/Kg			03/12/25 08:43	1

Client Sample ID: S-30-0-1' Lab Sample ID: 880-55502-27
Date Collected: 03/10/25 11:40 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		49.6	1.96	mg/Kg			03/12/25 08:49	5

Client Sample ID: S-30-1'-2' Lab Sample ID: 880-55502-28
Date Collected: 03/10/25 11:45 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		10.1	0.398	mg/Kg			03/12/25 08:55	1

Client Sample ID: S-30-2'-3' Lab Sample ID: 880-55502-29
Date Collected: 03/10/25 11:50 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		03/19/25 13:36	03/20/25 15:45	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/19/25 13:36	03/20/25 15:45	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/19/25 13:36	03/20/25 15:45	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		03/19/25 13:36	03/20/25 15:45	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		03/19/25 13:36	03/20/25 15:45	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		03/19/25 13:36	03/20/25 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/19/25 13:36*	*03/20/25 15:45*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/19/25 13:36*	*03/20/25 15:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			03/20/25 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			03/20/25 10:15	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	<14.4	U	49.6	14.4	mg/Kg		03/19/25 14:41	03/20/25 10:15	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 10:15	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*293*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 10:15*	*1*

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-30-2'-3'
Lab Sample ID: 880-55502-29
Date Collected: 03/10/25 11:50 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	303	S1+	70 - 130	03/19/25 14:41	03/20/25 10:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		9.96	0.393	mg/Kg			03/12/25 09:00	1

Client Sample ID: S-31-0-1'
Lab Sample ID: 880-55502-30
Date Collected: 03/10/25 11:55 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2970		49.6	1.96	mg/Kg			03/12/25 09:06	5

Client Sample ID: S-31-1'-2'
Lab Sample ID: 880-55502-31
Date Collected: 03/10/25 12:00 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201	F1	10.0	0.396	mg/Kg			03/12/25 09:12	1

Client Sample ID: S-31-2'-3'
Lab Sample ID: 880-55502-32
Date Collected: 03/10/25 12:05 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:36	03/20/25 16:06	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:36	03/20/25 16:06	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:36	03/20/25 16:06	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 16:06	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:36	03/20/25 16:06	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/19/25 13:36	03/20/25 16:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/19/25 13:36	03/20/25 16:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 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	<15.1	U	50.0	15.1	mg/Kg			03/20/25 10:59	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	<14.5	U	50.0	14.5	mg/Kg		03/19/25 14:41	03/20/25 10:59	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-31-2'-3' Lab Sample ID: 880-55502-32
Date Collected: 03/10/25 12:05 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 10:59	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*162*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 10:59*	*1*
o-Terphenyl	*169*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 10:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		9.98	0.394	mg/Kg			03/12/25 09:30	1

Client Sample ID: S-32-0-1' Lab Sample ID: 880-55502-33
Date Collected: 03/10/25 12:10 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3210**		49.8	1.97	mg/Kg			03/12/25 09:36	5

Client Sample ID: S-32-1'-2' Lab Sample ID: 880-55502-34
Date Collected: 03/10/25 12:15 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		10.0	0.397	mg/Kg			03/12/25 09:53	1

Client Sample ID: S-32-2'-3' Lab Sample ID: 880-55502-35
Date Collected: 03/10/25 12:20 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:36	03/20/25 16:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:36	03/20/25 16:26	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:36	03/20/25 16:26	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:36	03/20/25 16:26	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		03/19/25 13:36	03/20/25 16:26	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		03/19/25 13:36	03/20/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/19/25 13:36*	*03/20/25 16:26*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/19/25 13:36*	*03/20/25 16:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			03/20/25 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			03/20/25 11:14	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-32-2'-3'
Lab Sample ID: 880-55502-35
Date Collected: 03/10/25 12:20 **Matrix: Solid**
Date Received: 03/11/25 14:35

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	<14.4	U	49.7	14.4	mg/Kg		03/19/25 14:41	03/20/25 11:14	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 14:41	03/20/25 11:14	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 14:41	03/20/25 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*169*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 11:14*	*1*
o-Terphenyl	*174*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 11:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**391**		10.1	0.398	mg/Kg			03/12/25 09:59	1

Client Sample ID: S-33-0-1'
Lab Sample ID: 880-55502-36
Date Collected: 03/10/25 12:25 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3640**		49.7	1.96	mg/Kg			03/12/25 10:05	5

Client Sample ID: S-33-1'-2'
Lab Sample ID: 880-55502-37
Date Collected: 03/10/25 12:30 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		9.94	0.393	mg/Kg			03/12/25 10:11	1

Client Sample ID: S-33-2'-3'
Lab Sample ID: 880-55502-38
Date Collected: 03/10/25 12:35 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		03/19/25 13:36	03/20/25 16:47	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		03/19/25 13:36	03/20/25 16:47	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		03/19/25 13:36	03/20/25 16:47	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		03/19/25 13:36	03/20/25 16:47	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		03/19/25 13:36	03/20/25 16:47	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		03/19/25 13:36	03/20/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/19/25 13:36*	*03/20/25 16:47*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/19/25 13:36*	*03/20/25 16:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			03/20/25 16:47	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-33-2'-3'
Lab Sample ID: 880-55502-38
Date Collected: 03/10/25 12:35 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			03/20/25 11:29	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	<14.5	U	49.9	14.5	mg/Kg		03/19/25 14:41	03/20/25 11:29	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 14:41	03/20/25 11:29	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 14:41	03/20/25 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*162*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 11:29*	*1*
o-Terphenyl	*167*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 11:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		10.0	0.396	mg/Kg			03/12/25 10:17	1

Client Sample ID: S-35-0-1'
Lab Sample ID: 880-55502-39
Date Collected: 03/10/25 12:40 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:36	03/20/25 17:07	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:36	03/20/25 17:07	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:36	03/20/25 17:07	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 17:07	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:36	03/20/25 17:07	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/19/25 13:36	03/20/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/19/25 13:36*	*03/20/25 17:07*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/19/25 13:36*	*03/20/25 17:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/20/25 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/20/25 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		03/19/25 14:41	03/20/25 11:44	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/19/25 14:41	03/20/25 11:44	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/19/25 14:41	03/20/25 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 11:44*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-35-0-1' Lab Sample ID: 880-55502-39
Date Collected: 03/10/25 12:40 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	167	S1+	70 - 130	03/19/25 14:41	03/20/25 11:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		9.96	0.393	mg/Kg			03/12/25 10:23	1

Client Sample ID: S-35-1'-2' Lab Sample ID: 880-55502-40
Date Collected: 03/10/25 12:45 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		9.92	0.392	mg/Kg			03/12/25 10:29	1

Client Sample ID: S-35-2'-3' Lab Sample ID: 880-55502-41
Date Collected: 03/10/25 12:50 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		10.1	0.398	mg/Kg			03/12/25 08:40	1

Client Sample ID: S-36-0-1' Lab Sample ID: 880-55502-42
Date Collected: 03/10/25 12:55 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	601		10.1	0.398	mg/Kg			03/12/25 04:13	1

Client Sample ID: S-36-1'-2' Lab Sample ID: 880-55502-43
Date Collected: 03/10/25 13:00 **Matrix: Solid**
Date Received: 03/11/25 14:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.9		9.94	0.393	mg/Kg			03/12/25 09:44	1

Client Sample ID: S-36-2'-3' Lab Sample ID: 880-55502-44
Date Collected: 03/10/25 13:05 **Matrix: Solid**
Date Received: 03/11/25 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		03/19/25 13:36	03/20/25 17:28	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		03/19/25 13:36	03/20/25 17:28	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		03/19/25 13:36	03/20/25 17:28	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		03/19/25 13:36	03/20/25 17:28	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		03/19/25 13:36	03/20/25 17:28	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		03/19/25 13:36	03/20/25 17:28	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-36-2'-3' Lab Sample ID: 880-55502-44

Date Collected: 03/10/25 13:05 **Matrix: Solid**
Date Received: 03/11/25 14:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/19/25 13:36	03/20/25 17:28	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/19/25 13:36	03/20/25 17:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			03/20/25 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			03/20/25 11:58	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	<14.4	U	49.6	14.4	mg/Kg		03/19/25 14:41	03/20/25 11:58	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 11:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	168	S1+	70 - 130	03/19/25 14:41	03/20/25 11:58	1
o-Terphenyl	175	S1+	70 - 130	03/19/25 14:41	03/20/25 11:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		9.92	0.392	mg/Kg			03/12/25 10:01	1

Client Sample ID: S-28-0-1' Lab Sample ID: 880-55599-1

Date Collected: 03/11/25 09:00 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4560	F1	49.6	1.96	mg/Kg			03/13/25 16:57	5

Client Sample ID: S-28-1'-2' Lab Sample ID: 880-55599-2

Date Collected: 03/11/25 09:10 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	844		10.1	0.398	mg/Kg			03/13/25 17:15	1

Client Sample ID: S-28-2'-3' Lab Sample ID: 880-55599-3

Date Collected: 03/11/25 09:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		9.94	0.393	mg/Kg			03/13/25 17:21	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-9-0-1' Lab Sample ID: 880-55599-4

Date Collected: 03/11/25 10:00 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/21/25 08:38	03/21/25 11:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/21/25 08:38	03/21/25 11:23	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/21/25 08:38	03/21/25 11:23	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/21/25 08:38	03/21/25 11:23	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/21/25 08:38	03/21/25 11:23	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/21/25 08:38	03/21/25 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/21/25 08:38*	*03/21/25 11:23*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/21/25 08:38*	*03/21/25 11:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/21/25 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/20/25 12:15	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	<14.5	U	50.0	14.5	mg/Kg		03/19/25 14:41	03/20/25 12:15	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 12:15	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*155*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 12:15*	*1*
o-Terphenyl	*163*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 12:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		9.92	0.392	mg/Kg			03/13/25 17:27	1

Client Sample ID: H-10-0-1' Lab Sample ID: 880-55599-5

Date Collected: 03/11/25 10:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		03/21/25 08:38	03/21/25 11:43	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		03/21/25 08:38	03/21/25 11:43	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		03/21/25 08:38	03/21/25 11:43	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		03/21/25 08:38	03/21/25 11:43	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		03/21/25 08:38	03/21/25 11:43	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		03/21/25 08:38	03/21/25 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/21/25 08:38*	*03/21/25 11:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/21/25 08:38*	*03/21/25 11:43*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-10-0-1' Lab Sample ID: 880-55599-5

Date Collected: 03/11/25 10:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			03/21/25 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	<15.0	U	49.7	15.0	mg/Kg			03/20/25 12:29	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	<14.4	U	49.7	14.4	mg/Kg		03/19/25 14:41	03/20/25 12:29	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 14:41	03/20/25 12:29	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		03/19/25 14:41	03/20/25 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*168*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 12:29*	*1*
o-Terphenyl	*177*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 12:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		10.0	0.397	mg/Kg			03/13/25 17:32	1

Client Sample ID: H-17-0-1' Lab Sample ID: 880-55599-6

Date Collected: 03/11/25 10:40 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		03/21/25 08:38	03/21/25 12:04	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		03/21/25 08:38	03/21/25 12:04	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		03/21/25 08:38	03/21/25 12:04	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		03/21/25 08:38	03/21/25 12:04	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		03/21/25 08:38	03/21/25 12:04	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		03/21/25 08:38	03/21/25 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/21/25 08:38*	*03/21/25 12:04*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*03/21/25 08:38*	*03/21/25 12:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			03/21/25 12:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			03/20/25 12:43	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	<14.4	U	49.6	14.4	mg/Kg		03/19/25 14:41	03/20/25 12:43	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 12:43	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: H-17-0-1' Lab Sample ID: 880-55599-6

Date Collected: 03/11/25 10:40 **Matrix: Solid**
Date Received: 03/13/25 09:50

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)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*165*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 12:43*	*1*
o-Terphenyl	*176*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 12:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.96**	**J**	9.98	0.394	mg/Kg			03/13/25 17:58	1

Client Sample ID: S-28-3'-4' Lab Sample ID: 880-55599-7

Date Collected: 03/11/25 11:15 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		10.1	0.398	mg/Kg			03/13/25 18:04	1

Client Sample ID: S-28-4'-5' Lab Sample ID: 880-55599-8

Date Collected: 03/11/25 11:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		03/21/25 08:38	03/21/25 12:24	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/21/25 08:38	03/21/25 12:24	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/21/25 08:38	03/21/25 12:24	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		03/21/25 08:38	03/21/25 12:24	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		03/21/25 08:38	03/21/25 12:24	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		03/21/25 08:38	03/21/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/21/25 08:38*	*03/21/25 12:24*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/21/25 08:38*	*03/21/25 12:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			03/21/25 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	<15.1	U	50.0	15.1	mg/Kg			03/20/25 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/19/25 14:41	03/20/25 13:00	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 13:00	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*163*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 13:00*	*1*

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-28-4'-5' Lab Sample ID: 880-55599-8

Date Collected: 03/11/25 11:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*171*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 13:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.4**		9.94	0.393	mg/Kg			03/13/25 18:10	1

Client Sample ID: S-34-3'-4' Lab Sample ID: 880-55599-9

Date Collected: 03/11/25 11:40 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		9.98	0.394	mg/Kg			03/13/25 18:15	1

Client Sample ID: S-34-4'-5' Lab Sample ID: 880-55599-10

Date Collected: 03/11/25 11:05 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/21/25 08:38	03/21/25 12:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/21/25 08:38	03/21/25 12:45	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/21/25 08:38	03/21/25 12:45	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/21/25 08:38	03/21/25 12:45	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/21/25 08:38	03/21/25 12:45	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/21/25 08:38	03/21/25 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/21/25 08:38*	*03/21/25 12:45*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*03/21/25 08:38*	*03/21/25 12:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/21/25 12:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			03/20/25 13:18	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	<14.5	U	49.9	14.5	mg/Kg		03/19/25 14:41	03/20/25 13:18	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 14:41	03/20/25 13:18	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 14:41	03/20/25 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*154*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 13:18*	*1*
o-Terphenyl	*162*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 13:18*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-34-4'-5'
Lab Sample ID: 880-55599-10
Date Collected: 03/11/25 11:05 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		10.0	0.396	mg/Kg			03/13/25 18:21	1

Client Sample ID: S-37-0-1'
Lab Sample ID: 880-55599-11
Date Collected: 03/11/25 11:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		03/21/25 08:38	03/21/25 13:05	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		03/21/25 08:38	03/21/25 13:05	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		03/21/25 08:38	03/21/25 13:05	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		03/21/25 08:38	03/21/25 13:05	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		03/21/25 08:38	03/21/25 13:05	1
Xylenes, Total	<0.00227	U	0.00397	0.00227	mg/Kg		03/21/25 08:38	03/21/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/21/25 08:38*	*03/21/25 13:05*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/21/25 08:38*	*03/21/25 13:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00397	0.00227	mg/Kg			03/21/25 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/20/25 13:36	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	<14.5	U	49.8	14.5	mg/Kg		03/19/25 14:41	03/20/25 13:36	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/19/25 14:41	03/20/25 13:36	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/19/25 14:41	03/20/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 13:36*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 13:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		10.0	0.395	mg/Kg			03/13/25 18:27	1

Client Sample ID: S-37-1'-2'
Lab Sample ID: 880-55599-12
Date Collected: 03/11/25 11:40 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.92	0.392	mg/Kg			03/13/25 18:45	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-37-2'-3' Lab Sample ID: 880-55599-13

Date Collected: 03/11/25 11:50 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		03/21/25 08:38	03/21/25 13:26	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		03/21/25 08:38	03/21/25 13:26	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		03/21/25 08:38	03/21/25 13:26	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		03/21/25 08:38	03/21/25 13:26	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		03/21/25 08:38	03/21/25 13:26	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		03/21/25 08:38	03/21/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/21/25 08:38*	*03/21/25 13:26*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*03/21/25 08:38*	*03/21/25 13:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			03/21/25 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			03/20/25 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	<14.4	U	49.6	14.4	mg/Kg		03/19/25 14:41	03/20/25 13:54	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 13:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*03/19/25 14:41*	*03/20/25 13:54*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/19/25 14:41*	*03/20/25 13:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		10.0	0.397	mg/Kg			03/13/25 18:51	1

Client Sample ID: S-38-0-1' Lab Sample ID: 880-55599-14

Date Collected: 03/11/25 12:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3600**		49.7	1.96	mg/Kg			03/13/25 19:08	5

Client Sample ID: S-38-1'-2' Lab Sample ID: 880-55599-15

Date Collected: 03/11/25 12:30 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**249**		9.92	0.392	mg/Kg			03/13/25 19:14	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-38-2'-3' Lab Sample ID: 880-55599-16

Date Collected: 03/11/25 12:40 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		03/21/25 08:38	03/21/25 13:46	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		03/21/25 08:38	03/21/25 13:46	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		03/21/25 08:38	03/21/25 13:46	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		03/21/25 08:38	03/21/25 13:46	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		03/21/25 08:38	03/21/25 13:46	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		03/21/25 08:38	03/21/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/21/25 08:38*	*03/21/25 13:46*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/21/25 08:38*	*03/21/25 13:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			03/21/25 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/20/25 14:12	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	<14.5	U	50.0	14.5	mg/Kg		03/19/25 14:41	03/20/25 14:12	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 14:12	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 14:12*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		10.0	0.397	mg/Kg			03/13/25 19:20	1

Client Sample ID: S-39-0-1' Lab Sample ID: 880-55599-17

Date Collected: 03/11/25 13:00 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.9**		9.94	0.393	mg/Kg			03/13/25 19:26	1

Client Sample ID: S-39-1'-2' Lab Sample ID: 880-55599-18

Date Collected: 03/11/25 13:10 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg		03/13/25 11:24	03/13/25 14:04	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		03/13/25 11:24	03/13/25 14:04	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		03/13/25 11:24	03/13/25 14:04	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-39-1'-2'
Lab Sample ID: 880-55599-18
Date Collected: 03/11/25 13:10 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg		03/13/25 11:24	03/13/25 14:04	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		03/13/25 11:24	03/13/25 14:04	1
Xylenes, Total	<0.00230	U	0.00403	0.00230	mg/Kg		03/13/25 11:24	03/13/25 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/13/25 11:24*	*03/13/25 14:04*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/13/25 11:24*	*03/13/25 14:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00403	0.00230	mg/Kg			03/13/25 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/13/25 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/13/25 08:06	03/13/25 16:50	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/13/25 08:06	03/13/25 16:50	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/13/25 08:06	03/13/25 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*03/13/25 08:06*	*03/13/25 16:50*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*03/13/25 08:06*	*03/13/25 16:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.0**		9.98	0.394	mg/Kg			03/13/25 19:32	1

Client Sample ID: S-39-2'-3'
Lab Sample ID: 880-55599-19
Date Collected: 03/11/25 13:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		03/21/25 08:38	03/21/25 14:07	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		03/21/25 08:38	03/21/25 14:07	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		03/21/25 08:38	03/21/25 14:07	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		03/21/25 08:38	03/21/25 14:07	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		03/21/25 08:38	03/21/25 14:07	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		03/21/25 08:38	03/21/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/21/25 08:38*	*03/21/25 14:07*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/21/25 08:38*	*03/21/25 14:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			03/21/25 14:07	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-39-2'-3'
Lab Sample ID: 880-55599-19
Date Collected: 03/11/25 13:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			03/20/25 14:30	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	<14.5	U	49.9	14.5	mg/Kg		03/19/25 14:41	03/20/25 14:30	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 14:41	03/20/25 14:30	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/19/25 14:41	03/20/25 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*155*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 14:30*	*1*
o-Terphenyl	*159*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 14:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.30**	**J**	10.0	0.397	mg/Kg			03/13/25 19:38	1

Client Sample ID: S-40-0-1'
Lab Sample ID: 880-55599-20
Date Collected: 03/11/25 13:40 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10400**		100	3.95	mg/Kg			03/13/25 19:43	10

Client Sample ID: S-40-1'-2'
Lab Sample ID: 880-55599-21
Date Collected: 03/11/25 13:50 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/13/25 11:24	03/13/25 16:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/13/25 11:24	03/13/25 16:26	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/13/25 11:24	03/13/25 16:26	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/13/25 11:24	03/13/25 16:26	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/13/25 11:24	03/13/25 16:26	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/13/25 11:24	03/13/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/13/25 11:24*	*03/13/25 16:26*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/13/25 11:24*	*03/13/25 16:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			03/13/25 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			03/13/25 17:04	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-40-1'-2'
Lab Sample ID: 880-55599-21
Date Collected: 03/11/25 13:50 **Matrix: Solid**
Date Received: 03/13/25 09:50

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	<14.5	U	49.8	14.5	mg/Kg		03/13/25 08:06	03/13/25 17:04	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/13/25 08:06	03/13/25 17:04	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/13/25 08:06	03/13/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*03/13/25 08:06*	*03/13/25 17:04*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*03/13/25 08:06*	*03/13/25 17:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4240**		49.7	1.96	mg/Kg			03/13/25 19:49	5

Client Sample ID: S-40-2'-3'
Lab Sample ID: 880-55599-22
Date Collected: 03/11/25 14:00 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1950**		49.6	1.96	mg/Kg			03/14/25 11:18	5

Client Sample ID: S-25-0-1'
Lab Sample ID: 880-55599-23
Date Collected: 03/12/25 14:10 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.4**		10.0	0.397	mg/Kg			03/13/25 20:00	1

Client Sample ID: S-25-1'-2'
Lab Sample ID: 880-55599-24
Date Collected: 03/12/25 14:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.9**		9.98	0.394	mg/Kg			03/13/25 20:18	1

Client Sample ID: S-25-2'-3'
Lab Sample ID: 880-55599-25
Date Collected: 03/12/25 14:30 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		10.1	0.398	mg/Kg			03/13/25 20:23	1

Client Sample ID: S-25-3'-4'
Lab Sample ID: 880-55599-26
Date Collected: 03/12/25 09:50 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		9.94	0.393	mg/Kg			03/13/25 20:29	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-25-4'-5' Lab Sample ID: 880-55599-27
Date Collected: 03/12/25 10:00 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		9.98	0.394	mg/Kg			03/13/25 20:35	1

Client Sample ID: H-18-0-1' Lab Sample ID: 880-55599-28
Date Collected: 03/12/25 10:10 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		03/21/25 08:38	03/21/25 14:27	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		03/21/25 08:38	03/21/25 14:27	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		03/21/25 08:38	03/21/25 14:27	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		03/21/25 08:38	03/21/25 14:27	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		03/21/25 08:38	03/21/25 14:27	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		03/21/25 08:38	03/21/25 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/21/25 08:38*	*03/21/25 14:27*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/21/25 08:38*	*03/21/25 14:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			03/21/25 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			03/20/25 14:48	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	<14.5	U	50.0	14.5	mg/Kg		03/19/25 14:41	03/20/25 14:48	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 14:48	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:41	03/20/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 14:48*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 14:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.8		10.0	0.396	mg/Kg			03/13/25 20:41	1

Client Sample ID: S-38-3'-4' Lab Sample ID: 880-55599-29
Date Collected: 03/12/25 10:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178	F1	10.0	0.395	mg/Kg			03/13/25 20:46	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-38-4'-5' Lab Sample ID: 880-55599-30
Date Collected: 03/12/25 10:30 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		9.92	0.392	mg/Kg			03/13/25 21:04	1

Client Sample ID: S-28-5'-6' Lab Sample ID: 880-55599-31
Date Collected: 03/12/25 11:40 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		10.0	0.397	mg/Kg			03/13/25 21:09	1

Client Sample ID: S-34-5'-6' Lab Sample ID: 880-55599-32
Date Collected: 03/12/25 12:00 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		9.94	0.393	mg/Kg			03/14/25 03:25	1

Client Sample ID: S-39-3'-4' Lab Sample ID: 880-55599-33
Date Collected: 03/12/25 12:05 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.9		9.92	0.392	mg/Kg			03/14/25 03:31	1

Client Sample ID: S-39-4'-5' Lab Sample ID: 880-55599-34
Date Collected: 03/12/25 12:10 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.4		10.0	0.397	mg/Kg			03/14/25 03:37	1

Client Sample ID: S-40-3'-4' Lab Sample ID: 880-55599-35
Date Collected: 03/12/25 12:15 **Matrix: Solid**
Date Received: 03/13/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		9.94	0.393	mg/Kg			03/14/25 03:43	1

Client Sample ID: S-40-4'-5' Lab Sample ID: 880-55599-36
Date Collected: 03/12/25 12:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/21/25 15:54	03/21/25 17:36	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/21/25 15:54	03/21/25 17:36	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/21/25 15:54	03/21/25 17:36	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		03/21/25 15:54	03/21/25 17:36	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Client Sample ID: S-40-4'-5' **Lab Sample ID: 880-55599-36**
Date Collected: 03/12/25 12:20 **Matrix: Solid**
Date Received: 03/13/25 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		03/21/25 15:54	03/21/25 17:36	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		03/21/25 15:54	03/21/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/21/25 15:54*	*03/21/25 17:36*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/21/25 15:54*	*03/21/25 17:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			03/21/25 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			03/20/25 15:05	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	<14.4	U	49.6	14.4	mg/Kg		03/19/25 14:41	03/20/25 15:05	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 15:05	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		03/19/25 14:41	03/20/25 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 15:05*	*1*
o-Terphenyl	*163*	*S1+*	*70 - 130*	*03/19/25 14:41*	*03/20/25 15:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		9.98	0.394	mg/Kg			03/14/25 03:49	1

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-55403-1	H-1-0-1'	108	94										
880-55403-2	H-2-0-1'	109	95										
880-55403-3	H-3-0-1'	114	94										
880-55403-4	H-4-0-1'	110	98										
880-55403-5	H-5-0-1'	110	96										
880-55403-6	H-7-0-1'	109	95										
880-55403-7	H-14-0-1'	114	97										
880-55403-8	H-21-0-1'	111	95										
880-55403-9	H-23-0-1'	108	94										
880-55403-10	H-18-0-1'	94	93										
880-55502-1	H-6-0-1'	97	95										
880-55502-2	H-8-0-1'	97	92										
880-55502-3	H-10-0-1'	98	94										
880-55502-4	H-11-0-1'	101	82										
880-55502-5	H-12-0-1'	100	73										
880-55502-6	H-13-0-1'	101	94										
880-55502-7	H-15-0-1'	99	93										
880-55502-8	H-16-0-1'	98	94										
880-55502-9	H-18-0-1'	99	94										
880-55502-10	H-19-0-1'	101	93										
880-55502-11	H-20-0-1'	97	92										
880-55502-12	H-22-0-1'	100	93										
880-55502-15	S-29-2'-3'	100	85										
880-55502-15 MS	S-29-2'-3'	109	92										
880-55502-15 MSD	S-29-2'-3'	103	87										
880-55502-16	S-24-0-1'	109	87										
880-55502-19	S-26-0'-1'	103	89										
880-55502-22	S-27-0-1'	101	88										
880-55502-29	S-30-2'-3'	101	87										
880-55502-32	S-31-2'-3'	106	91										
880-55502-35	S-32-2'-3'	109	85										
880-55502-38	S-33-2'-3'	100	89										
880-55502-39	S-35-0-1'	103	89										
880-55502-44	S-36-2'-3'	104	90										
880-55599-4	H-9-0-1'	96	91										
880-55599-4 MS	H-9-0-1'	123	90										
880-55599-4 MSD	H-9-0-1'	112	90										
880-55599-5	H-10-0-1'	99	92										
880-55599-6	H-17-0-1'	105	77										
880-55599-8	S-28-4'-5'	103	95										
880-55599-10	S-34-4'-5'	111	77										
880-55599-11	S-37-0-1'	100	95										
880-55599-13	S-37-2'-3'	101	81										
880-55599-16	S-38-2'-3'	110	98										
880-55599-18	S-39-1'-2'	99	87										
880-55599-19	S-39-2'-3'	100	92										
880-55599-21	S-40-1'-2'	104	89										
880-55599-28	H-18-0-1'	99	90										
880-55599-36	S-40-4'-5'	100	99										

Surrogate Summary

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-105096/1-A	Lab Control Sample	98	105
LCS 880-105201/1-A	Lab Control Sample	98	94
LCS 880-105578/1-A	Lab Control Sample	107	105
LCS 880-105579/1-A	Lab Control Sample	100	94
LCS 880-105643/1-A	Lab Control Sample	99	100
LCS 880-105729/1-A	Lab Control Sample	115	102
LCS 880-105749/1-A	Lab Control Sample	93	100
LCSD 880-105096/2-A	Lab Control Sample Dup	95	103
LCSD 880-105201/2-A	Lab Control Sample Dup	96	95
LCSD 880-105578/2-A	Lab Control Sample Dup	115	93
LCSD 880-105579/2-A	Lab Control Sample Dup	98	93
LCSD 880-105643/2-A	Lab Control Sample Dup	100	99
LCSD 880-105729/2-A	Lab Control Sample Dup	98	100
LCSD 880-105749/2-A	Lab Control Sample Dup	101	102
MB 880-105096/5-A	Method Blank	106	84
MB 880-105201/5-A	Method Blank	96	82
MB 880-105556/5-A	Method Blank	91	90
MB 880-105578/5-A	Method Blank	94	88
MB 880-105579/5-A	Method Blank	95	81
MB 880-105642/5-A	Method Blank	93	89
MB 880-105729/5-A	Method Blank	91	88
MB 880-105749/5-A	Method Blank	104	97

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)
880-55403-1	H-1-0-1'	84	79
880-55403-1 MS	H-1-0-1'	81	74
880-55403-1 MSD	H-1-0-1'	85	77
880-55403-2	H-2-0-1'	77	76
880-55403-3	H-3-0-1'	160 S1+	157 S1+
880-55403-4	H-4-0-1'	130	126
880-55403-5	H-5-0-1'	144 S1+	136 S1+
880-55403-6	H-7-0-1'	94	90
880-55403-7	H-14-0-1'	77	72
880-55403-8	H-21-0-1'	79	76
880-55403-9	H-23-0-1'	71	70
880-55403-10	H-18-0-1'	178 S1+	183 S1+
880-55502-1	H-6-0-1'	476 S1+	492 S1+
880-55502-2	H-8-0-1'	163 S1+	165 S1+
880-55502-3	H-10-0-1'	148 S1+	150 S1+
880-55502-4	H-11-0-1'	172 S1+	173 S1+
880-55502-5	H-12-0-1'	162 S1+	163 S1+
880-55502-6	H-13-0-1'	159 S1+	158 S1+

Surrogate Summary

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-55502-7	H-15-0-1'	179 S1+	174 S1+
880-55502-7 MS	H-15-0-1'	102	99
880-55502-7 MSD	H-15-0-1'	102	99
880-55502-8	H-16-0-1'	227 S1+	213 S1+
880-55502-9	H-18-0-1'	181 S1+	179 S1+
880-55502-10	H-19-0-1'	194 S1+	189 S1+
880-55502-11	H-20-0-1'	250 S1+	223 S1+
880-55502-12	H-22-0-1'	234 S1+	226 S1+
880-55502-15	S-29-2'-3'	272 S1+	247 S1+
880-55502-16	S-24-0-1'	237 S1+	218 S1+
880-55502-19	S-26-0'-1'	225 S1+	205 S1+
880-55502-22	S-27-0-1'	166 S1+	154 S1+
880-55502-29	S-30-2'-3'	293 S1+	303 S1+
880-55502-29 MS	S-30-2'-3'	183 S1+	178 S1+
880-55502-29 MSD	S-30-2'-3'	185 S1+	181 S1+
880-55502-32	S-31-2'-3'	162 S1+	169 S1+
880-55502-35	S-32-2'-3'	169 S1+	174 S1+
880-55502-38	S-33-2'-3'	162 S1+	167 S1+
880-55502-39	S-35-0-1'	160 S1+	167 S1+
880-55502-44	S-36-2'-3'	168 S1+	175 S1+
880-55599-4	H-9-0-1'	155 S1+	163 S1+
880-55599-5	H-10-0-1'	168 S1+	177 S1+
880-55599-6	H-17-0-1'	165 S1+	176 S1+
880-55599-8	S-28-4'-5'	163 S1+	171 S1+
880-55599-10	S-34-4'-5'	154 S1+	162 S1+
880-55599-11	S-37-0-1'	152 S1+	158 S1+
880-55599-13	S-37-2'-3'	122	122
880-55599-16	S-38-2'-3'	140 S1+	142 S1+
880-55599-18	S-39-1'-2'	78	68 S1-
880-55599-19	S-39-2'-3'	155 S1+	159 S1+
880-55599-21	S-40-1'-2'	75	67 S1-
880-55599-28	H-18-0-1'	140 S1+	147 S1+
880-55599-36	S-40-4'-5'	160 S1+	163 S1+
LCS 880-105195/2-A	Lab Control Sample	145 S1+	129
LCS 880-105277/2-A	Lab Control Sample	121	119
LCS 880-105580/2-A	Lab Control Sample	137 S1+	135 S1+
LCS 880-105588/2-A	Lab Control Sample	128	126
LCS 880-105620/2-A	Lab Control Sample	135 S1+	137 S1+
LCS 880-105811/2-A	Lab Control Sample	128	107
LCS 880-105952/2-A	Lab Control Sample	122	113
LCSD 880-105195/3-A	Lab Control Sample Dup	135 S1+	119
LCSD 880-105277/3-A	Lab Control Sample Dup	123	123
LCSD 880-105580/3-A	Lab Control Sample Dup	138 S1+	136 S1+
LCSD 880-105588/3-A	Lab Control Sample Dup	128	126
LCSD 880-105620/3-A	Lab Control Sample Dup	136 S1+	135 S1+
LCSD 880-105811/3-B	Lab Control Sample Dup	98	104
LCSD 880-105952/3-A	Lab Control Sample Dup	122	112
MB 880-105195/1-A	Method Blank	101	91
MB 880-105277/1-A	Method Blank	102	92
MB 880-105580/1-A	Method Blank	111	116

Surrogate Summary

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
MB 880-105588/1-A	Method Blank	164 S1+	172 S1+								
MB 880-105620/1-A	Method Blank	175 S1+	184 S1+								
MB 880-105811/1-A	Method Blank	127	113								
MB 880-105952/1-A	Method Blank	107	104								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-105096/5-A
Matrix: Solid
Analysis Batch: 105095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/12/25 08:19	03/12/25 11:27	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/12/25 08:19	03/12/25 11:27	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/12/25 08:19	03/12/25 11:27	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/12/25 08:19	03/12/25 11:27	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/12/25 08:19	03/12/25 11:27	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/12/25 08:19	03/12/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/12/25 08:19*	*03/12/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/12/25 08:19*	*03/12/25 11:27*	*1*

Lab Sample ID: LCS 880-105096/1-A
Matrix: Solid
Analysis Batch: 105095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09677		mg/Kg		97	70 - 130
Toluene	0.100	0.09365		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08526		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1696		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08545		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-105096/2-A
Matrix: Solid
Analysis Batch: 105095

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105096

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09606		mg/Kg		96	70 - 130	1	35
Toluene	0.100	0.09210		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.08377		mg/Kg		84	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1662		mg/Kg		83	70 - 130	2	35
o-Xylene	0.100	0.08388		mg/Kg		84	70 - 130	2	35

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

Lab Sample ID: MB 880-105201/5-A
Matrix: Solid
Analysis Batch: 105190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/13/25 08:17	03/13/25 10:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/13/25 08:17	03/13/25 10:38	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-105201/5-A
Matrix: Solid
Analysis Batch: 105190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/13/25 08:17	03/13/25 10:38	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/13/25 08:17	03/13/25 10:38	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/13/25 08:17	03/13/25 10:38	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/13/25 08:17	03/13/25 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/13/25 08:17*	*03/13/25 10:38*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*03/13/25 08:17*	*03/13/25 10:38*	*1*

Lab Sample ID: LCS 880-105201/1-A
Matrix: Solid
Analysis Batch: 105190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08902		mg/Kg		89	70 - 130
Toluene	0.100	0.07719		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.08308		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1663		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08396		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-105201/2-A
Matrix: Solid
Analysis Batch: 105190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105201

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09003		mg/Kg		90	70 - 130	1	35
Toluene	0.100	0.07817		mg/Kg		78	70 - 130	1	35
Ethylbenzene	0.100	0.08369		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1679		mg/Kg		84	70 - 130	1	35
o-Xylene	0.100	0.08448		mg/Kg		84	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-105556/5-A
Matrix: Solid
Analysis Batch: 105552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 10:04	03/19/25 12:02	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 10:04	03/19/25 12:02	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 10:04	03/19/25 12:02	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/19/25 10:04	03/19/25 12:02	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-105556/5-A
Matrix: Solid
Analysis Batch: 105552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 10:04	03/19/25 12:02	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/19/25 10:04	03/19/25 12:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*03/19/25 10:04*	*03/19/25 12:02*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/19/25 10:04*	*03/19/25 12:02*	*1*

Lab Sample ID: MB 880-105578/5-A
Matrix: Solid
Analysis Batch: 105552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:24	03/19/25 22:40	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:24	03/19/25 22:40	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:24	03/19/25 22:40	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/19/25 13:24	03/19/25 22:40	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:24	03/19/25 22:40	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/19/25 13:24	03/19/25 22:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/19/25 13:24*	*03/19/25 22:40*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/19/25 13:24*	*03/19/25 22:40*	*1*

Lab Sample ID: LCS 880-105578/1-A
Matrix: Solid
Analysis Batch: 105552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09666		mg/Kg		97	70 - 130
Toluene	0.100	0.09648		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09565		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1916		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09466		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-105578/2-A
Matrix: Solid
Analysis Batch: 105552

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105578

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09540		mg/Kg		95	70 - 130	1	35
Toluene	0.100	0.09598		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.09644		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2242		mg/Kg		112	70 - 130	16	35
o-Xylene	0.100	0.1105		mg/Kg		110	70 - 130	15	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-105579/5-A
Matrix: Solid
Analysis Batch: 105631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/19/25 13:36	03/20/25 14:00	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/19/25 13:36	03/20/25 14:00	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/19/25 13:36	03/20/25 14:00	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/19/25 13:36	03/20/25 14:00	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/19/25 13:36	03/20/25 14:00	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/19/25 13:36	03/20/25 14:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/19/25 13:36	03/20/25 14:00	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/19/25 13:36	03/20/25 14:00	1

Lab Sample ID: LCS 880-105579/1-A
Matrix: Solid
Analysis Batch: 105631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09002		mg/Kg		90	70 - 130
Toluene	0.100	0.07919		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.08325		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1708		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08718		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-105579/2-A
Matrix: Solid
Analysis Batch: 105631

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105579

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09132		mg/Kg		91	70 - 130	1	35
Toluene	0.100	0.08000		mg/Kg		80	70 - 130	1	35
Ethylbenzene	0.100	0.08383		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1718		mg/Kg		86	70 - 130	1	35
o-Xylene	0.100	0.08780		mg/Kg		88	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: 880-55502-15 MS
Matrix: Solid
Analysis Batch: 105631

Client Sample ID: S-29-2'-3'
Prep Type: Total/NA
Prep Batch: 105579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.07447		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1	0.100	0.06439	F1	mg/Kg		64	70 - 130
Ethylbenzene	<0.00109	U F1	0.100	0.06603	F1	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	<0.00228	U F1	0.200	0.1338	F1	mg/Kg		67	70 - 130
o-Xylene	<0.00158	U F1	0.100	0.06882	F1	mg/Kg		69	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-55502-15 MSD
Matrix: Solid
Analysis Batch: 105631

Client Sample ID: S-29-2'-3'
Prep Type: Total/NA
Prep Batch: 105579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.07161		mg/Kg		72	70 - 130	4	35
Toluene	<0.00200	U F1	0.100	0.06296	F1	mg/Kg		63	70 - 130	2	35
Ethylbenzene	<0.00109	U F1	0.100	0.06640	F1	mg/Kg		66	70 - 130	1	35
m-Xylene & p-Xylene	<0.00228	U F1	0.200	0.1316	F1	mg/Kg		66	70 - 130	2	35
o-Xylene	<0.00158	U F1	0.100	0.06662	F1	mg/Kg		67	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: MB 880-105642/5-A
Matrix: Solid
Analysis Batch: 105632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/20/25 09:18	03/20/25 11:52	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/20/25 09:18	03/20/25 11:52	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/20/25 09:18	03/20/25 11:52	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/20/25 09:18	03/20/25 11:52	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/20/25 09:18	03/20/25 11:52	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/20/25 09:18	03/20/25 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/20/25 09:18*	*03/20/25 11:52*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/20/25 09:18*	*03/20/25 11:52*	*1*

Lab Sample ID: LCS 880-105643/1-A
Matrix: Solid
Analysis Batch: 105632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09020		mg/Kg		90	70 - 130
Toluene	0.100	0.08937		mg/Kg		89	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-105643/1-A
Matrix: Solid
Analysis Batch: 105632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.08593		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1737		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08345		mg/Kg		83	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-105643/2-A
Matrix: Solid
Analysis Batch: 105632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09435		mg/Kg		94	70 - 130	5	35
Toluene	0.100	0.09146		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.08733		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1772		mg/Kg		89	70 - 130	2	35
o-Xylene	0.100	0.08528		mg/Kg		85	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-105729/5-A
Matrix: Solid
Analysis Batch: 105723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/21/25 08:38	03/21/25 11:01	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/21/25 08:38	03/21/25 11:01	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/21/25 08:38	03/21/25 11:01	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/21/25 08:38	03/21/25 11:01	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/21/25 08:38	03/21/25 11:01	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/21/25 08:38	03/21/25 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*03/21/25 08:38*	*03/21/25 11:01*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/21/25 08:38*	*03/21/25 11:01*	*1*

Lab Sample ID: LCS 880-105729/1-A
Matrix: Solid
Analysis Batch: 105723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.1030		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1088		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2189		mg/Kg		109	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-105729/1-A
Matrix: Solid
Analysis Batch: 105723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105729

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1050		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-105729/2-A
Matrix: Solid
Analysis Batch: 105723

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105729

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1026		mg/Kg		103	70 - 130	0	35
Toluene			0.100	0.09238		mg/Kg		92	70 - 130	11	35
Ethylbenzene			0.100	0.09147		mg/Kg		91	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.1857		mg/Kg		93	70 - 130	16	35
o-Xylene			0.100	0.08891		mg/Kg		89	70 - 130	17	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-55599-4 MS
Matrix: Solid
Analysis Batch: 105723

Client Sample ID: H-9-0-1'
Prep Type: Total/NA
Prep Batch: 105729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00139	U	0.100	0.1140		mg/Kg		114	70 - 130		
Toluene	<0.00200	U	0.100	0.1024		mg/Kg		102	70 - 130		
Ethylbenzene	<0.00109	U	0.100	0.1272		mg/Kg		127	70 - 130		
m-Xylene & p-Xylene	<0.00228	U	0.200	0.2555		mg/Kg		128	70 - 130		
o-Xylene	<0.00158	U	0.100	0.1232		mg/Kg		123	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-55599-4 MSD
Matrix: Solid
Analysis Batch: 105723

Client Sample ID: H-9-0-1'
Prep Type: Total/NA
Prep Batch: 105729

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.09529		mg/Kg		95	70 - 130	18	35
Toluene	<0.00200	U	0.100	0.09777		mg/Kg		98	70 - 130	5	35
Ethylbenzene	<0.00109	U	0.100	0.1012		mg/Kg		101	70 - 130	23	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.2013		mg/Kg		101	70 - 130	24	35
o-Xylene	<0.00158	U	0.100	0.09662		mg/Kg		97	70 - 130	24	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: 880-55599-4 MSD
Matrix: Solid
Analysis Batch: 105723

Client Sample ID: H-9-0-1'
Prep Type: Total/NA
Prep Batch: 105729

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-105749/5-A
Matrix: Solid
Analysis Batch: 105721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105749

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/21/25 09:56	03/21/25 12:27	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/21/25 09:56	03/21/25 12:27	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/21/25 09:56	03/21/25 12:27	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		03/21/25 09:56	03/21/25 12:27	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/21/25 09:56	03/21/25 12:27	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		03/21/25 09:56	03/21/25 12:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/21/25 09:56	03/21/25 12:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/21/25 09:56	03/21/25 12:27	1

Lab Sample ID: LCS 880-105749/1-A
Matrix: Solid
Analysis Batch: 105721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105749

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09519		mg/Kg		95	70 - 130		
Toluene			0.100	0.09579		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.08643		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1751		mg/Kg		88	70 - 130		
o-Xylene			0.100	0.08776		mg/Kg		88	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-105749/2-A
Matrix: Solid
Analysis Batch: 105721

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105749

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1010		mg/Kg		101	70 - 130	6	35
Toluene			0.100	0.1019		mg/Kg		102	70 - 130	6	35
Ethylbenzene			0.100	0.09175		mg/Kg		92	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1862		mg/Kg		93	70 - 130	6	35
o-Xylene			0.100	0.09378		mg/Kg		94	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-105749/2-A
Matrix: Solid
Analysis Batch: 105721

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105749

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

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

Lab Sample ID: MB 880-105195/1-A
Matrix: Solid
Analysis Batch: 105218

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/13/25 08:04	03/13/25 09:53	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/13/25 08:04	03/13/25 09:53	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/13/25 08:04	03/13/25 09:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/13/25 08:04	03/13/25 09:53	1
o-Terphenyl	91		70 - 130	03/13/25 08:04	03/13/25 09:53	1

Lab Sample ID: LCS 880-105195/2-A
Matrix: Solid
Analysis Batch: 105218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105195

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1282		mg/Kg		128	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1281		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	145	S1+	70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: LCSD 880-105195/3-A
Matrix: Solid
Analysis Batch: 105218

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105195

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1186		mg/Kg		119	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1190		mg/Kg		119	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	119		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: 880-55403-1 MS
Matrix: Solid
Analysis Batch: 105218

Client Sample ID: H-1-0-1'
Prep Type: Total/NA
Prep Batch: 105195

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	803.5		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	68.8	F1	999	735.3	F1	mg/Kg		67	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*74*		*70 - 130*

Lab Sample ID: 880-55403-1 MSD
Matrix: Solid
Analysis Batch: 105218

Client Sample ID: H-1-0-1'
Prep Type: Total/NA
Prep Batch: 105195

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	<14.5	U	999	812.0		mg/Kg		81	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	68.8	F1	999	808.9		mg/Kg		74	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: MB 880-105277/1-A
Matrix: Solid
Analysis Batch: 105297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/14/25 08:14	03/14/25 09:41	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/14/25 08:14	03/14/25 09:41	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/14/25 08:14	03/14/25 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/14/25 08:14*	*03/14/25 09:41*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/14/25 08:14*	*03/14/25 09:41*	*1*

Lab Sample ID: LCS 880-105277/2-A
Matrix: Solid
Analysis Batch: 105297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1084		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1105		mg/Kg		110	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-105277/2-A
Matrix: Solid
Analysis Batch: 105297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105277

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-105277/3-A
Matrix: Solid
Analysis Batch: 105297

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105277

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1044		mg/Kg		104	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1089		mg/Kg		109	70 - 130	1	20

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

Lab Sample ID: MB 880-105580/1-A
Matrix: Solid
Analysis Batch: 105636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/19/25 13:39	03/20/25 17:32	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 13:39	03/20/25 17:32	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 13:39	03/20/25 17:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/19/25 13:39	03/20/25 17:32	1
o-Terphenyl	116		70 - 130	03/19/25 13:39	03/20/25 17:32	1

Lab Sample ID: LCS 880-105580/2-A
Matrix: Solid
Analysis Batch: 105636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105580

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1117		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1213		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	137	S1+	70 - 130
o-Terphenyl	135	S1+	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-105580/3-A
Matrix: Solid
Analysis Batch: 105636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105580

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1156		mg/Kg		116	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1218		mg/Kg		122	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*138*	*S1+*	*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-105588/1-A
Matrix: Solid
Analysis Batch: 105638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105588

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/19/25 14:40	03/20/25 06:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:40	03/20/25 06:09	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/19/25 14:40	03/20/25 06:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*164*	*S1+*	*70 - 130*	*03/19/25 14:40*	*03/20/25 06:09*	*1*
o-Terphenyl	*172*	*S1+*	*70 - 130*	*03/19/25 14:40*	*03/20/25 06:09*	*1*

Lab Sample ID: LCS 880-105588/2-A
Matrix: Solid
Analysis Batch: 105638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105588

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1114		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1165		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Lab Sample ID: LCSD 880-105588/3-A
Matrix: Solid
Analysis Batch: 105638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105588

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1116		mg/Kg		112	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1180		mg/Kg		118	70 - 130	1	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-105588/3-A
Matrix: Solid
Analysis Batch: 105638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105588

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: 880-55502-29 MS
Matrix: Solid
Analysis Batch: 105638

Client Sample ID: S-30-2'-3'
Prep Type: Total/NA
Prep Batch: 105588

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	995	1062		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U	995	1163		mg/Kg		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	183	S1+	70 - 130
o-Terphenyl	178	S1+	70 - 130

Lab Sample ID: 880-55502-29 MSD
Matrix: Solid
Analysis Batch: 105638

Client Sample ID: S-30-2'-3'
Prep Type: Total/NA
Prep Batch: 105588

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	<14.4	U	995	1082		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<15.0	U	995	1198		mg/Kg		120	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	185	S1+	70 - 130
o-Terphenyl	181	S1+	70 - 130

Lab Sample ID: MB 880-105620/1-A
Matrix: Solid
Analysis Batch: 105636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/20/25 08:21	03/20/25 06:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/20/25 08:21	03/20/25 06:09	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/20/25 08:21	03/20/25 06:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	175	S1+	70 - 130	03/20/25 08:21	03/20/25 06:09	1
o-Terphenyl	184	S1+	70 - 130	03/20/25 08:21	03/20/25 06:09	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-105620/2-A
Matrix: Solid
Analysis Batch: 105636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105620

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1111		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1235		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*135*	*S1+*	*70 - 130*
o-Terphenyl	*137*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-105620/3-A
Matrix: Solid
Analysis Batch: 105636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105620

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1156		mg/Kg		116	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1226		mg/Kg		123	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*136*	*S1+*	*70 - 130*
o-Terphenyl	*135*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-105811/1-A
Matrix: Solid
Analysis Batch: 105866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.62	J	50.0	14.5	mg/Kg		03/21/25 16:25	03/24/25 09:34	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/21/25 16:25	03/24/25 09:34	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/21/25 16:25	03/24/25 09:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*03/21/25 16:25*	*03/24/25 09:34*	*1*
o-Terphenyl	*113*		*70 - 130*	*03/21/25 16:25*	*03/24/25 09:34*	*1*

Lab Sample ID: LCS 880-105811/2-A
Matrix: Solid
Analysis Batch: 105866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105811

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1012		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	951.2		mg/Kg		95	70 - 130		

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-105811/2-A
Matrix: Solid
Analysis Batch: 105866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105811

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-105811/3-B
Matrix: Solid
Analysis Batch: 105866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	910.5		mg/Kg		91	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	928.1		mg/Kg		93	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-55502-7 MS
Matrix: Solid
Analysis Batch: 105866

Client Sample ID: H-15-0-1'
Prep Type: Total/NA
Prep Batch: 105811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	996	916.2		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	996	955.9		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-55502-7 MSD
Matrix: Solid
Analysis Batch: 105866

Client Sample ID: H-15-0-1'
Prep Type: Total/NA
Prep Batch: 105811

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	<14.5	U	996	926.2		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<15.1	U	996	949.7		mg/Kg		95	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	99		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-105952/1-A
Matrix: Solid
Analysis Batch: 105970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105952

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/25/25 07:32	03/25/25 04:42	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/25/25 07:32	03/25/25 04:42	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/25/25 07:32	03/25/25 04:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*03/25/25 07:32*	*03/25/25 04:42*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/25/25 07:32*	*03/25/25 04:42*	*1*

Lab Sample ID: LCS 880-105952/2-A
Matrix: Solid
Analysis Batch: 105970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.0		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	957.4		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: LCSD 880-105952/3-A
Matrix: Solid
Analysis Batch: 105970

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105952

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	937.1		mg/Kg		94	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	954.2		mg/Kg		95	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-104934/1-A
Matrix: Solid
Analysis Batch: 104988

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			03/11/25 08:43	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-104934/2-A
Matrix: Solid
Analysis Batch: 104988

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.1		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-104934/3-A
Matrix: Solid
Analysis Batch: 104988

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	249.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-105057/1-A
Matrix: Solid
Analysis Batch: 105061

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			03/12/25 05:59	1

Lab Sample ID: LCS 880-105057/2-A
Matrix: Solid
Analysis Batch: 105061

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	265.2		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-105057/3-A
Matrix: Solid
Analysis Batch: 105061

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	266.3		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-55502-1 MS
Matrix: Solid
Analysis Batch: 105061

Client Sample ID: H-6-0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	86.4	F1	248	384.6	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 880-55502-1 MSD
Matrix: Solid
Analysis Batch: 105061

Client Sample ID: H-6-0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	86.4	F1	248	386.0	F1	mg/Kg		121	90 - 110	0	20

Lab Sample ID: 880-55502-11 MS
Matrix: Solid
Analysis Batch: 105061

Client Sample ID: H-20-0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	118	F1	248	414.0	F1	mg/Kg		120	90 - 110		

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-55502-11 MSD — **Client Sample ID: H-20-0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	118	F1	248	410.5	F1	mg/Kg		118	90 - 110	1	20

Lab Sample ID: MB 880-105058/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			03/12/25 03:55	1

Lab Sample ID: LCS 880-105058/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-105058/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-55502-31 MS — **Client Sample ID: S-31-1'-2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	201	F1	251	499.2	F1	mg/Kg		119	90 - 110

Lab Sample ID: 880-55502-31 MSD — **Client Sample ID: S-31-1'-2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	201	F1	251	503.0	F1	mg/Kg		121	90 - 110	1	20

Lab Sample ID: 880-55502-42 MS — **Client Sample ID: S-36-0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	601		252	857.7		mg/Kg		102	90 - 110

Lab Sample ID: 880-55502-42 MSD — **Client Sample ID: S-36-0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 105064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	601		252	875.3		mg/Kg		109	90 - 110	2	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-105090/1-A
Matrix: Solid
Analysis Batch: 105103

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			03/12/25 09:27	1

Lab Sample ID: LCS 880-105090/2-A
Matrix: Solid
Analysis Batch: 105103

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.6		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-105090/3-A
Matrix: Solid
Analysis Batch: 105103

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

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

Lab Sample ID: 880-55502-43 MS
Matrix: Solid
Analysis Batch: 105103

Client Sample ID: S-36-1'-2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	98.9		249	371.3		mg/Kg		110	90 - 110

Lab Sample ID: 880-55502-43 MSD
Matrix: Solid
Analysis Batch: 105103

Client Sample ID: S-36-1'-2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	98.9		249	371.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-105221/1-A
Matrix: Solid
Analysis Batch: 105223

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			03/13/25 16:40	1

Lab Sample ID: LCS 880-105221/2-A
Matrix: Solid
Analysis Batch: 105223

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.7		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-105221/3-A
Matrix: Solid
Analysis Batch: 105223

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	261.1		mg/Kg		104	90 - 110	0	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-55599-1 MS
Matrix: Solid
Analysis Batch: 105223

Client Sample ID: S-28-0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4560	F1	1240	6227	F1	mg/Kg		135	90 - 110

Lab Sample ID: 880-55599-1 MSD
Matrix: Solid
Analysis Batch: 105223

Client Sample ID: S-28-0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4560	F1	1240	6233	F1	mg/Kg		135	90 - 110	0	20

Lab Sample ID: 880-55599-11 MS
Matrix: Solid
Analysis Batch: 105223

Client Sample ID: S-37-0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	387		250	662.2		mg/Kg		110	90 - 110

Lab Sample ID: 880-55599-11 MSD
Matrix: Solid
Analysis Batch: 105223

Client Sample ID: S-37-0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	387		250	662.2		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-105222/1-A
Matrix: Solid
Analysis Batch: 105241

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			03/13/25 19:09	1

Lab Sample ID: LCS 880-105222/2-A
Matrix: Solid
Analysis Batch: 105241

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-105222/3-A
Matrix: Solid
Analysis Batch: 105241

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	259.9		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-55599-29 MS
Matrix: Solid
Analysis Batch: 105241

Client Sample ID: S-38-3'-4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	178	F1	250	456.7	F1	mg/Kg		111	90 - 110

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-55599-29 MSD
Matrix: Solid
Analysis Batch: 105241

Client Sample ID: S-38-3'-4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	178	F1	250	460.6	F1	mg/Kg		113	90 - 110	1	20

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC VOA

Analysis Batch: 105095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Total/NA	Solid	8021B	105096
880-55403-2	H-2-0-1'	Total/NA	Solid	8021B	105096
880-55403-3	H-3-0-1'	Total/NA	Solid	8021B	105096
880-55403-4	H-4-0-1'	Total/NA	Solid	8021B	105096
880-55403-5	H-5-0-1'	Total/NA	Solid	8021B	105096
880-55403-6	H-7-0-1'	Total/NA	Solid	8021B	105096
880-55403-7	H-14-0-1'	Total/NA	Solid	8021B	105096
880-55403-8	H-21-0-1'	Total/NA	Solid	8021B	105096
880-55403-9	H-23-0-1'	Total/NA	Solid	8021B	105096
MB 880-105096/5-A	Method Blank	Total/NA	Solid	8021B	105096
LCS 880-105096/1-A	Lab Control Sample	Total/NA	Solid	8021B	105096
LCSD 880-105096/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105096

Prep Batch: 105096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Total/NA	Solid	5030B	
880-55403-2	H-2-0-1'	Total/NA	Solid	5030B	
880-55403-3	H-3-0-1'	Total/NA	Solid	5030B	
880-55403-4	H-4-0-1'	Total/NA	Solid	5030B	
880-55403-5	H-5-0-1'	Total/NA	Solid	5030B	
880-55403-6	H-7-0-1'	Total/NA	Solid	5030B	
880-55403-7	H-14-0-1'	Total/NA	Solid	5030B	
880-55403-8	H-21-0-1'	Total/NA	Solid	5030B	
880-55403-9	H-23-0-1'	Total/NA	Solid	5030B	
MB 880-105096/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-105096/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-105096/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 105190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-18	S-39-1'-2'	Total/NA	Solid	8021B	105201
880-55599-21	S-40-1'-2'	Total/NA	Solid	8021B	105201
MB 880-105201/5-A	Method Blank	Total/NA	Solid	8021B	105201
LCS 880-105201/1-A	Lab Control Sample	Total/NA	Solid	8021B	105201
LCSD 880-105201/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105201

Prep Batch: 105201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-18	S-39-1'-2'	Total/NA	Solid	5030B	
880-55599-21	S-40-1'-2'	Total/NA	Solid	5030B	
MB 880-105201/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-105201/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-105201/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 105208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Total/NA	Solid	Total BTEX	
880-55403-2	H-2-0-1'	Total/NA	Solid	Total BTEX	
880-55403-3	H-3-0-1'	Total/NA	Solid	Total BTEX	
880-55403-4	H-4-0-1'	Total/NA	Solid	Total BTEX	
880-55403-5	H-5-0-1'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 105208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-6	H-7-0-1'	Total/NA	Solid	Total BTEX	
880-55403-7	H-14-0-1'	Total/NA	Solid	Total BTEX	
880-55403-8	H-21-0-1'	Total/NA	Solid	Total BTEX	
880-55403-9	H-23-0-1'	Total/NA	Solid	Total BTEX	

Analysis Batch: 105294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-18	S-39-1'-2'	Total/NA	Solid	Total BTEX	
880-55599-21	S-40-1'-2'	Total/NA	Solid	Total BTEX	

Analysis Batch: 105552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-1	H-6-0-1'	Total/NA	Solid	8021B	105578
880-55502-2	H-8-0-1'	Total/NA	Solid	8021B	105578
880-55502-3	H-10-0-1'	Total/NA	Solid	8021B	105578
880-55502-4	H-11-0-1'	Total/NA	Solid	8021B	105578
880-55502-5	H-12-0-1'	Total/NA	Solid	8021B	105578
880-55502-6	H-13-0-1'	Total/NA	Solid	8021B	105578
880-55502-7	H-15-0-1'	Total/NA	Solid	8021B	105578
880-55502-8	H-16-0-1'	Total/NA	Solid	8021B	105578
880-55502-9	H-18-0-1'	Total/NA	Solid	8021B	105578
880-55502-10	H-19-0-1'	Total/NA	Solid	8021B	105578
880-55502-11	H-20-0-1'	Total/NA	Solid	8021B	105578
880-55502-12	H-22-0-1'	Total/NA	Solid	8021B	105578
MB 880-105556/5-A	Method Blank	Total/NA	Solid	8021B	105556
MB 880-105578/5-A	Method Blank	Total/NA	Solid	8021B	105578
LCS 880-105578/1-A	Lab Control Sample	Total/NA	Solid	8021B	105578
LCSD 880-105578/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105578

Prep Batch: 105556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-105556/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 105578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-1	H-6-0-1'	Total/NA	Solid	5030B	
880-55502-2	H-8-0-1'	Total/NA	Solid	5030B	
880-55502-3	H-10-0-1'	Total/NA	Solid	5030B	
880-55502-4	H-11-0-1'	Total/NA	Solid	5030B	
880-55502-5	H-12-0-1'	Total/NA	Solid	5030B	
880-55502-6	H-13-0-1'	Total/NA	Solid	5030B	
880-55502-7	H-15-0-1'	Total/NA	Solid	5030B	
880-55502-8	H-16-0-1'	Total/NA	Solid	5030B	
880-55502-9	H-18-0-1'	Total/NA	Solid	5030B	
880-55502-10	H-19-0-1'	Total/NA	Solid	5030B	
880-55502-11	H-20-0-1'	Total/NA	Solid	5030B	
880-55502-12	H-22-0-1'	Total/NA	Solid	5030B	
MB 880-105578/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-105578/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-105578/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC VOA

Prep Batch: 105579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-15	S-29-2'-3'	Total/NA	Solid	5030B	
880-55502-16	S-24-0-1'	Total/NA	Solid	5030B	
880-55502-19	S-26-0'-1'	Total/NA	Solid	5030B	
880-55502-22	S-27-0-1'	Total/NA	Solid	5030B	
880-55502-29	S-30-2'-3'	Total/NA	Solid	5030B	
880-55502-32	S-31-2'-3'	Total/NA	Solid	5030B	
880-55502-35	S-32-2'-3'	Total/NA	Solid	5030B	
880-55502-38	S-33-2'-3'	Total/NA	Solid	5030B	
880-55502-39	S-35-0-1'	Total/NA	Solid	5030B	
880-55502-44	S-36-2'-3'	Total/NA	Solid	5030B	
MB 880-105579/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-105579/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-105579/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-55502-15 MS	S-29-2'-3'	Total/NA	Solid	5030B	
880-55502-15 MSD	S-29-2'-3'	Total/NA	Solid	5030B	

Analysis Batch: 105631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-15	S-29-2'-3'	Total/NA	Solid	8021B	105579
880-55502-16	S-24-0-1'	Total/NA	Solid	8021B	105579
880-55502-19	S-26-0'-1'	Total/NA	Solid	8021B	105579
880-55502-22	S-27-0-1'	Total/NA	Solid	8021B	105579
880-55502-29	S-30-2'-3'	Total/NA	Solid	8021B	105579
880-55502-32	S-31-2'-3'	Total/NA	Solid	8021B	105579
880-55502-35	S-32-2'-3'	Total/NA	Solid	8021B	105579
880-55502-38	S-33-2'-3'	Total/NA	Solid	8021B	105579
880-55502-39	S-35-0-1'	Total/NA	Solid	8021B	105579
880-55502-44	S-36-2'-3'	Total/NA	Solid	8021B	105579
MB 880-105579/5-A	Method Blank	Total/NA	Solid	8021B	105579
LCS 880-105579/1-A	Lab Control Sample	Total/NA	Solid	8021B	105579
LCSD 880-105579/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105579
880-55502-15 MS	S-29-2'-3'	Total/NA	Solid	8021B	105579
880-55502-15 MSD	S-29-2'-3'	Total/NA	Solid	8021B	105579

Analysis Batch: 105632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-10	H-18-0-1'	Total/NA	Solid	8021B	105643
MB 880-105642/5-A	Method Blank	Total/NA	Solid	8021B	105642
LCS 880-105643/1-A	Lab Control Sample	Total/NA	Solid	8021B	105643
LCSD 880-105643/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105643

Prep Batch: 105642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-105642/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 105643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-10	H-18-0-1'	Total/NA	Solid	5030B	
LCS 880-105643/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-105643/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC VOA

Analysis Batch: 105688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-1	H-6-0-1'	Total/NA	Solid	Total BTEX	
880-55502-2	H-8-0-1'	Total/NA	Solid	Total BTEX	
880-55502-3	H-10-0-1'	Total/NA	Solid	Total BTEX	
880-55502-4	H-11-0-1'	Total/NA	Solid	Total BTEX	
880-55502-5	H-12-0-1'	Total/NA	Solid	Total BTEX	
880-55502-6	H-13-0-1'	Total/NA	Solid	Total BTEX	
880-55502-7	H-15-0-1'	Total/NA	Solid	Total BTEX	
880-55502-8	H-16-0-1'	Total/NA	Solid	Total BTEX	
880-55502-9	H-18-0-1'	Total/NA	Solid	Total BTEX	
880-55502-10	H-19-0-1'	Total/NA	Solid	Total BTEX	
880-55502-11	H-20-0-1'	Total/NA	Solid	Total BTEX	
880-55502-12	H-22-0-1'	Total/NA	Solid	Total BTEX	
880-55502-15	S-29-2'-3'	Total/NA	Solid	Total BTEX	
880-55502-16	S-24-0-1'	Total/NA	Solid	Total BTEX	
880-55502-19	S-26-0'-1'	Total/NA	Solid	Total BTEX	
880-55502-22	S-27-0-1'	Total/NA	Solid	Total BTEX	
880-55502-29	S-30-2'-3'	Total/NA	Solid	Total BTEX	
880-55502-32	S-31-2'-3'	Total/NA	Solid	Total BTEX	
880-55502-35	S-32-2'-3'	Total/NA	Solid	Total BTEX	
880-55502-38	S-33-2'-3'	Total/NA	Solid	Total BTEX	
880-55502-39	S-35-0-1'	Total/NA	Solid	Total BTEX	
880-55502-44	S-36-2'-3'	Total/NA	Solid	Total BTEX	

Analysis Batch: 105692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-10	H-18-0-1'	Total/NA	Solid	Total BTEX	

Analysis Batch: 105721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-36	S-40-4'-5'	Total/NA	Solid	8021B	105749
MB 880-105749/5-A	Method Blank	Total/NA	Solid	8021B	105749
LCS 880-105749/1-A	Lab Control Sample	Total/NA	Solid	8021B	105749
LCSD 880-105749/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105749

Analysis Batch: 105723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-4	H-9-0-1'	Total/NA	Solid	8021B	105729
880-55599-5	H-10-0-1'	Total/NA	Solid	8021B	105729
880-55599-6	H-17-0-1'	Total/NA	Solid	8021B	105729
880-55599-8	S-28-4'-5'	Total/NA	Solid	8021B	105729
880-55599-10	S-34-4'-5'	Total/NA	Solid	8021B	105729
880-55599-11	S-37-0-1'	Total/NA	Solid	8021B	105729
880-55599-13	S-37-2'-3'	Total/NA	Solid	8021B	105729
880-55599-16	S-38-2'-3'	Total/NA	Solid	8021B	105729
880-55599-19	S-39-2'-3'	Total/NA	Solid	8021B	105729
880-55599-28	H-18-0-1'	Total/NA	Solid	8021B	105729
MB 880-105729/5-A	Method Blank	Total/NA	Solid	8021B	105729
LCS 880-105729/1-A	Lab Control Sample	Total/NA	Solid	8021B	105729
LCSD 880-105729/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105729
880-55599-4 MS	H-9-0-1'	Total/NA	Solid	8021B	105729
880-55599-4 MSD	H-9-0-1'	Total/NA	Solid	8021B	105729

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC VOA

Prep Batch: 105729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-4	H-9-0-1'	Total/NA	Solid	5030B	
880-55599-5	H-10-0-1'	Total/NA	Solid	5030B	
880-55599-6	H-17-0-1'	Total/NA	Solid	5030B	
880-55599-8	S-28-4'-5'	Total/NA	Solid	5030B	
880-55599-10	S-34-4'-5'	Total/NA	Solid	5030B	
880-55599-11	S-37-0-1'	Total/NA	Solid	5030B	
880-55599-13	S-37-2'-3'	Total/NA	Solid	5030B	
880-55599-16	S-38-2'-3'	Total/NA	Solid	5030B	
880-55599-19	S-39-2'-3'	Total/NA	Solid	5030B	
880-55599-28	H-18-0-1'	Total/NA	Solid	5030B	
MB 880-105729/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-105729/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-105729/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-55599-4 MS	H-9-0-1'	Total/NA	Solid	5030B	
880-55599-4 MSD	H-9-0-1'	Total/NA	Solid	5030B	

Prep Batch: 105749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-36	S-40-4'-5'	Total/NA	Solid	5030B	
MB 880-105749/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-105749/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-105749/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 105805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-4	H-9-0-1'	Total/NA	Solid	Total BTEX	
880-55599-5	H-10-0-1'	Total/NA	Solid	Total BTEX	
880-55599-6	H-17-0-1'	Total/NA	Solid	Total BTEX	
880-55599-8	S-28-4'-5'	Total/NA	Solid	Total BTEX	
880-55599-10	S-34-4'-5'	Total/NA	Solid	Total BTEX	
880-55599-11	S-37-0-1'	Total/NA	Solid	Total BTEX	
880-55599-13	S-37-2'-3'	Total/NA	Solid	Total BTEX	
880-55599-16	S-38-2'-3'	Total/NA	Solid	Total BTEX	
880-55599-19	S-39-2'-3'	Total/NA	Solid	Total BTEX	
880-55599-28	H-18-0-1'	Total/NA	Solid	Total BTEX	
880-55599-36	S-40-4'-5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 105195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-2	H-2-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-4	H-4-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-7	H-14-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-8	H-21-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-9	H-23-0-1'	Total/NA	Solid	8015NM Prep	
880-55599-18	S-39-1'-2'	Total/NA	Solid	8015NM Prep	
880-55599-21	S-40-1'-2'	Total/NA	Solid	8015NM Prep	
MB 880-105195/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105195/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 105195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-105195/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55403-1 MS	H-1-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-1 MSD	H-1-0-1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Total/NA	Solid	8015B NM	105195
880-55403-2	H-2-0-1'	Total/NA	Solid	8015B NM	105195
880-55403-4	H-4-0-1'	Total/NA	Solid	8015B NM	105195
880-55403-7	H-14-0-1'	Total/NA	Solid	8015B NM	105195
880-55403-8	H-21-0-1'	Total/NA	Solid	8015B NM	105195
880-55403-9	H-23-0-1'	Total/NA	Solid	8015B NM	105195
880-55599-18	S-39-1'-2'	Total/NA	Solid	8015B NM	105195
880-55599-21	S-40-1'-2'	Total/NA	Solid	8015B NM	105195
MB 880-105195/1-A	Method Blank	Total/NA	Solid	8015B NM	105195
LCS 880-105195/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105195
LCSD 880-105195/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105195
880-55403-1 MS	H-1-0-1'	Total/NA	Solid	8015B NM	105195
880-55403-1 MSD	H-1-0-1'	Total/NA	Solid	8015B NM	105195

Prep Batch: 105277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-3	H-3-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-5	H-5-0-1'	Total/NA	Solid	8015NM Prep	
880-55403-6	H-7-0-1'	Total/NA	Solid	8015NM Prep	
MB 880-105277/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105277/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-3	H-3-0-1'	Total/NA	Solid	8015B NM	105277
880-55403-5	H-5-0-1'	Total/NA	Solid	8015B NM	105277
880-55403-6	H-7-0-1'	Total/NA	Solid	8015B NM	105277
MB 880-105277/1-A	Method Blank	Total/NA	Solid	8015B NM	105277
LCS 880-105277/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105277
LCSD 880-105277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105277

Analysis Batch: 105318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Total/NA	Solid	8015 NM	
880-55403-2	H-2-0-1'	Total/NA	Solid	8015 NM	
880-55403-3	H-3-0-1'	Total/NA	Solid	8015 NM	
880-55403-4	H-4-0-1'	Total/NA	Solid	8015 NM	
880-55403-5	H-5-0-1'	Total/NA	Solid	8015 NM	
880-55403-6	H-7-0-1'	Total/NA	Solid	8015 NM	
880-55403-7	H-14-0-1'	Total/NA	Solid	8015 NM	
880-55403-8	H-21-0-1'	Total/NA	Solid	8015 NM	
880-55403-9	H-23-0-1'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 105320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-18	S-39-1'-2'	Total/NA	Solid	8015 NM	
880-55599-21	S-40-1'-2'	Total/NA	Solid	8015 NM	

Prep Batch: 105580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-1	H-6-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-2	H-8-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-3	H-10-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-4	H-11-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-5	H-12-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-6	H-13-0-1'	Total/NA	Solid	8015NM Prep	
MB 880-105580/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105580/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105580/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 105588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-29	S-30-2'-3'	Total/NA	Solid	8015NM Prep	
880-55502-32	S-31-2'-3'	Total/NA	Solid	8015NM Prep	
880-55502-35	S-32-2'-3'	Total/NA	Solid	8015NM Prep	
880-55502-38	S-33-2'-3'	Total/NA	Solid	8015NM Prep	
880-55502-39	S-35-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-44	S-36-2'-3'	Total/NA	Solid	8015NM Prep	
880-55599-4	H-9-0-1'	Total/NA	Solid	8015NM Prep	
880-55599-5	H-10-0-1'	Total/NA	Solid	8015NM Prep	
880-55599-6	H-17-0-1'	Total/NA	Solid	8015NM Prep	
880-55599-8	S-28-4'-5'	Total/NA	Solid	8015NM Prep	
880-55599-10	S-34-4'-5'	Total/NA	Solid	8015NM Prep	
880-55599-11	S-37-0-1'	Total/NA	Solid	8015NM Prep	
880-55599-13	S-37-2'-3'	Total/NA	Solid	8015NM Prep	
880-55599-16	S-38-2'-3'	Total/NA	Solid	8015NM Prep	
880-55599-19	S-39-2'-3'	Total/NA	Solid	8015NM Prep	
880-55599-28	H-18-0-1'	Total/NA	Solid	8015NM Prep	
880-55599-36	S-40-4'-5'	Total/NA	Solid	8015NM Prep	
MB 880-105588/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105588/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55502-29 MS	S-30-2'-3'	Total/NA	Solid	8015NM Prep	
880-55502-29 MSD	S-30-2'-3'	Total/NA	Solid	8015NM Prep	

Prep Batch: 105620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-10	H-18-0-1'	Total/NA	Solid	8015NM Prep	
MB 880-105620/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105620/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105620/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-10	H-18-0-1'	Total/NA	Solid	8015B NM	105620
880-55502-1	H-6-0-1'	Total/NA	Solid	8015B NM	105580

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 105636 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-2	H-8-0-1'	Total/NA	Solid	8015B NM	105580
880-55502-3	H-10-0-1'	Total/NA	Solid	8015B NM	105580
880-55502-4	H-11-0-1'	Total/NA	Solid	8015B NM	105580
880-55502-5	H-12-0-1'	Total/NA	Solid	8015B NM	105580
880-55502-6	H-13-0-1'	Total/NA	Solid	8015B NM	105580
MB 880-105580/1-A	Method Blank	Total/NA	Solid	8015B NM	105580
MB 880-105620/1-A	Method Blank	Total/NA	Solid	8015B NM	105620
LCS 880-105580/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105580
LCS 880-105620/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105620
LCSD 880-105580/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105580
LCSD 880-105620/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105620

Analysis Batch: 105638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-29	S-30-2'-3'	Total/NA	Solid	8015B NM	105588
880-55502-32	S-31-2'-3'	Total/NA	Solid	8015B NM	105588
880-55502-35	S-32-2'-3'	Total/NA	Solid	8015B NM	105588
880-55502-38	S-33-2'-3'	Total/NA	Solid	8015B NM	105588
880-55502-39	S-35-0-1'	Total/NA	Solid	8015B NM	105588
880-55502-44	S-36-2'-3'	Total/NA	Solid	8015B NM	105588
880-55599-4	H-9-0-1'	Total/NA	Solid	8015B NM	105588
880-55599-5	H-10-0-1'	Total/NA	Solid	8015B NM	105588
880-55599-6	H-17-0-1'	Total/NA	Solid	8015B NM	105588
880-55599-8	S-28-4'-5'	Total/NA	Solid	8015B NM	105588
880-55599-10	S-34-4'-5'	Total/NA	Solid	8015B NM	105588
880-55599-11	S-37-0-1'	Total/NA	Solid	8015B NM	105588
880-55599-13	S-37-2'-3'	Total/NA	Solid	8015B NM	105588
880-55599-16	S-38-2'-3'	Total/NA	Solid	8015B NM	105588
880-55599-19	S-39-2'-3'	Total/NA	Solid	8015B NM	105588
880-55599-28	H-18-0-1'	Total/NA	Solid	8015B NM	105588
880-55599-36	S-40-4'-5'	Total/NA	Solid	8015B NM	105588
MB 880-105588/1-A	Method Blank	Total/NA	Solid	8015B NM	105588
LCS 880-105588/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105588
LCSD 880-105588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105588
880-55502-29 MS	S-30-2'-3'	Total/NA	Solid	8015B NM	105588
880-55502-29 MSD	S-30-2'-3'	Total/NA	Solid	8015B NM	105588

Analysis Batch: 105687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-10	H-18-0-1'	Total/NA	Solid	8015 NM	

Analysis Batch: 105771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-1	H-6-0-1'	Total/NA	Solid	8015 NM	
880-55502-2	H-8-0-1'	Total/NA	Solid	8015 NM	
880-55502-3	H-10-0-1'	Total/NA	Solid	8015 NM	
880-55502-4	H-11-0-1'	Total/NA	Solid	8015 NM	
880-55502-5	H-12-0-1'	Total/NA	Solid	8015 NM	
880-55502-6	H-13-0-1'	Total/NA	Solid	8015 NM	
880-55502-7	H-15-0-1'	Total/NA	Solid	8015 NM	
880-55502-8	H-16-0-1'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 105771 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-9	H-18-0-1'	Total/NA	Solid	8015 NM	
880-55502-10	H-19-0-1'	Total/NA	Solid	8015 NM	
880-55502-11	H-20-0-1'	Total/NA	Solid	8015 NM	
880-55502-12	H-22-0-1'	Total/NA	Solid	8015 NM	
880-55502-15	S-29-2'-3'	Total/NA	Solid	8015 NM	
880-55502-16	S-24-0-1'	Total/NA	Solid	8015 NM	
880-55502-19	S-26-0'-1'	Total/NA	Solid	8015 NM	
880-55502-22	S-27-0-1'	Total/NA	Solid	8015 NM	
880-55502-29	S-30-2'-3'	Total/NA	Solid	8015 NM	
880-55502-32	S-31-2'-3'	Total/NA	Solid	8015 NM	
880-55502-35	S-32-2'-3'	Total/NA	Solid	8015 NM	
880-55502-38	S-33-2'-3'	Total/NA	Solid	8015 NM	
880-55502-39	S-35-0-1'	Total/NA	Solid	8015 NM	
880-55502-44	S-36-2'-3'	Total/NA	Solid	8015 NM	

Analysis Batch: 105772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-4	H-9-0-1'	Total/NA	Solid	8015 NM	
880-55599-5	H-10-0-1'	Total/NA	Solid	8015 NM	
880-55599-6	H-17-0-1'	Total/NA	Solid	8015 NM	
880-55599-8	S-28-4'-5'	Total/NA	Solid	8015 NM	
880-55599-10	S-34-4'-5'	Total/NA	Solid	8015 NM	
880-55599-11	S-37-0-1'	Total/NA	Solid	8015 NM	
880-55599-13	S-37-2'-3'	Total/NA	Solid	8015 NM	
880-55599-16	S-38-2'-3'	Total/NA	Solid	8015 NM	
880-55599-19	S-39-2'-3'	Total/NA	Solid	8015 NM	
880-55599-28	H-18-0-1'	Total/NA	Solid	8015 NM	
880-55599-36	S-40-4'-5'	Total/NA	Solid	8015 NM	

Prep Batch: 105811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-7	H-15-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-8	H-16-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-9	H-18-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-11	H-20-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-12	H-22-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-15	S-29-2'-3'	Total/NA	Solid	8015NM Prep	
880-55502-16	S-24-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-19	S-26-0'-1'	Total/NA	Solid	8015NM Prep	
880-55502-22	S-27-0-1'	Total/NA	Solid	8015NM Prep	
MB 880-105811/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105811/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105811/3-B	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55502-7 MS	H-15-0-1'	Total/NA	Solid	8015NM Prep	
880-55502-7 MSD	H-15-0-1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-7	H-15-0-1'	Total/NA	Solid	8015B NM	105811
880-55502-8	H-16-0-1'	Total/NA	Solid	8015B NM	105811
880-55502-9	H-18-0-1'	Total/NA	Solid	8015B NM	105811

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 105866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-11	H-20-0-1'	Total/NA	Solid	8015B NM	105811
880-55502-12	H-22-0-1'	Total/NA	Solid	8015B NM	105811
880-55502-15	S-29-2'-3'	Total/NA	Solid	8015B NM	105811
880-55502-16	S-24-0-1'	Total/NA	Solid	8015B NM	105811
880-55502-19	S-26-0'-1'	Total/NA	Solid	8015B NM	105811
880-55502-22	S-27-0-1'	Total/NA	Solid	8015B NM	105811
MB 880-105811/1-A	Method Blank	Total/NA	Solid	8015B NM	105811
LCS 880-105811/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105811
LCSD 880-105811/3-B	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105811
880-55502-7 MS	H-15-0-1'	Total/NA	Solid	8015B NM	105811
880-55502-7 MSD	H-15-0-1'	Total/NA	Solid	8015B NM	105811

Prep Batch: 105952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-10	H-19-0-1'	Total/NA	Solid	8015NM Prep	
MB 880-105952/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105952/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105952/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-10	H-19-0-1'	Total/NA	Solid	8015B NM	105952
MB 880-105952/1-A	Method Blank	Total/NA	Solid	8015B NM	105952
LCS 880-105952/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105952
LCSD 880-105952/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105952

HPLC/IC

Leach Batch: 104934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Soluble	Solid	DI Leach	
880-55403-2	H-2-0-1'	Soluble	Solid	DI Leach	
880-55403-3	H-3-0-1'	Soluble	Solid	DI Leach	
880-55403-4	H-4-0-1'	Soluble	Solid	DI Leach	
880-55403-5	H-5-0-1'	Soluble	Solid	DI Leach	
880-55403-6	H-7-0-1'	Soluble	Solid	DI Leach	
880-55403-7	H-14-0-1'	Soluble	Solid	DI Leach	
880-55403-8	H-21-0-1'	Soluble	Solid	DI Leach	
880-55403-9	H-23-0-1'	Soluble	Solid	DI Leach	
880-55403-10	H-18-0-1'	Soluble	Solid	DI Leach	
MB 880-104934/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104934/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104934/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 104988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-1	H-1-0-1'	Soluble	Solid	300.0	104934
880-55403-2	H-2-0-1'	Soluble	Solid	300.0	104934
880-55403-3	H-3-0-1'	Soluble	Solid	300.0	104934
880-55403-4	H-4-0-1'	Soluble	Solid	300.0	104934
880-55403-5	H-5-0-1'	Soluble	Solid	300.0	104934

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 104988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55403-6	H-7-0-1'	Soluble	Solid	300.0	104934
880-55403-7	H-14-0-1'	Soluble	Solid	300.0	104934
880-55403-8	H-21-0-1'	Soluble	Solid	300.0	104934
880-55403-9	H-23-0-1'	Soluble	Solid	300.0	104934
880-55403-10	H-18-0-1'	Soluble	Solid	300.0	104934
MB 880-104934/1-A	Method Blank	Soluble	Solid	300.0	104934
LCS 880-104934/2-A	Lab Control Sample	Soluble	Solid	300.0	104934
LCSD 880-104934/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104934

Leach Batch: 105057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-1	H-6-0-1'	Soluble	Solid	DI Leach	
880-55502-2	H-8-0-1'	Soluble	Solid	DI Leach	
880-55502-3	H-10-0-1'	Soluble	Solid	DI Leach	
880-55502-4	H-11-0-1'	Soluble	Solid	DI Leach	
880-55502-5	H-12-0-1'	Soluble	Solid	DI Leach	
880-55502-6	H-13-0-1'	Soluble	Solid	DI Leach	
880-55502-7	H-15-0-1'	Soluble	Solid	DI Leach	
880-55502-8	H-16-0-1'	Soluble	Solid	DI Leach	
880-55502-9	H-18-0-1'	Soluble	Solid	DI Leach	
880-55502-10	H-19-0-1'	Soluble	Solid	DI Leach	
880-55502-11	H-20-0-1'	Soluble	Solid	DI Leach	
880-55502-12	H-22-0-1'	Soluble	Solid	DI Leach	
880-55502-13	S-29-0-1'	Soluble	Solid	DI Leach	
880-55502-14	S-29-1'-2'	Soluble	Solid	DI Leach	
880-55502-15	S-29-2'-3'	Soluble	Solid	DI Leach	
880-55502-16	S-24-0-1'	Soluble	Solid	DI Leach	
880-55502-17	S-24-1'-2'	Soluble	Solid	DI Leach	
880-55502-19	S-26-0'-1'	Soluble	Solid	DI Leach	
880-55502-20	S-26-1'-2'	Soluble	Solid	DI Leach	
880-55502-41	S-35-2'-3'	Soluble	Solid	DI Leach	
MB 880-105057/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-105057/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-105057/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55502-1 MS	H-6-0-1'	Soluble	Solid	DI Leach	
880-55502-1 MSD	H-6-0-1'	Soluble	Solid	DI Leach	
880-55502-11 MS	H-20-0-1'	Soluble	Solid	DI Leach	
880-55502-11 MSD	H-20-0-1'	Soluble	Solid	DI Leach	

Leach Batch: 105058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-22	S-27-0-1'	Soluble	Solid	DI Leach	
880-55502-23	S-27-1'-2'	Soluble	Solid	DI Leach	
880-55502-24	S-34-0-1'	Soluble	Solid	DI Leach	
880-55502-25	S-34-1'-2'	Soluble	Solid	DI Leach	
880-55502-26	S-34-2'-3'	Soluble	Solid	DI Leach	
880-55502-27	S-30-0-1'	Soluble	Solid	DI Leach	
880-55502-28	S-30-1'-2'	Soluble	Solid	DI Leach	
880-55502-29	S-30-2'-3'	Soluble	Solid	DI Leach	
880-55502-30	S-31-0-1'	Soluble	Solid	DI Leach	
880-55502-31	S-31-1'-2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 105058 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-32	S-31-2'-3'	Soluble	Solid	DI Leach	
880-55502-33	S-32-0-1'	Soluble	Solid	DI Leach	
880-55502-34	S-32-1'-2'	Soluble	Solid	DI Leach	
880-55502-35	S-32-2'-3'	Soluble	Solid	DI Leach	
880-55502-36	S-33-0-1'	Soluble	Solid	DI Leach	
880-55502-37	S-33-1'-2'	Soluble	Solid	DI Leach	
880-55502-38	S-33-2'-3'	Soluble	Solid	DI Leach	
880-55502-39	S-35-0-1'	Soluble	Solid	DI Leach	
880-55502-40	S-35-1'-2'	Soluble	Solid	DI Leach	
880-55502-42	S-36-0-1'	Soluble	Solid	DI Leach	
MB 880-105058/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-105058/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-105058/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55502-31 MS	S-31-1'-2'	Soluble	Solid	DI Leach	
880-55502-31 MSD	S-31-1'-2'	Soluble	Solid	DI Leach	
880-55502-42 MS	S-36-0-1'	Soluble	Solid	DI Leach	
880-55502-42 MSD	S-36-0-1'	Soluble	Solid	DI Leach	

Analysis Batch: 105061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-1	H-6-0-1'	Soluble	Solid	300.0	105057
880-55502-2	H-8-0-1'	Soluble	Solid	300.0	105057
880-55502-3	H-10-0-1'	Soluble	Solid	300.0	105057
880-55502-4	H-11-0-1'	Soluble	Solid	300.0	105057
880-55502-5	H-12-0-1'	Soluble	Solid	300.0	105057
880-55502-6	H-13-0-1'	Soluble	Solid	300.0	105057
880-55502-7	H-15-0-1'	Soluble	Solid	300.0	105057
880-55502-8	H-16-0-1'	Soluble	Solid	300.0	105057
880-55502-9	H-18-0-1'	Soluble	Solid	300.0	105057
880-55502-10	H-19-0-1'	Soluble	Solid	300.0	105057
880-55502-11	H-20-0-1'	Soluble	Solid	300.0	105057
880-55502-12	H-22-0-1'	Soluble	Solid	300.0	105057
880-55502-13	S-29-0-1'	Soluble	Solid	300.0	105057
880-55502-14	S-29-1'-2'	Soluble	Solid	300.0	105057
880-55502-15	S-29-2'-3'	Soluble	Solid	300.0	105057
880-55502-16	S-24-0-1'	Soluble	Solid	300.0	105057
880-55502-17	S-24-1'-2'	Soluble	Solid	300.0	105057
880-55502-19	S-26-0'-1'	Soluble	Solid	300.0	105057
880-55502-20	S-26-1'-2'	Soluble	Solid	300.0	105057
880-55502-41	S-35-2'-3'	Soluble	Solid	300.0	105057
MB 880-105057/1-A	Method Blank	Soluble	Solid	300.0	105057
LCS 880-105057/2-A	Lab Control Sample	Soluble	Solid	300.0	105057
LCSD 880-105057/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	105057
880-55502-1 MS	H-6-0-1'	Soluble	Solid	300.0	105057
880-55502-1 MSD	H-6-0-1'	Soluble	Solid	300.0	105057
880-55502-11 MS	H-20-0-1'	Soluble	Solid	300.0	105057
880-55502-11 MSD	H-20-0-1'	Soluble	Solid	300.0	105057

Analysis Batch: 105064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-22	S-27-0-1'	Soluble	Solid	300.0	105058

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 105064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-23	S-27-1'-2'	Soluble	Solid	300.0	105058
880-55502-24	S-34-0-1'	Soluble	Solid	300.0	105058
880-55502-25	S-34-1'-2'	Soluble	Solid	300.0	105058
880-55502-26	S-34-2'-3'	Soluble	Solid	300.0	105058
880-55502-27	S-30-0-1'	Soluble	Solid	300.0	105058
880-55502-28	S-30-1'-2'	Soluble	Solid	300.0	105058
880-55502-29	S-30-2'-3'	Soluble	Solid	300.0	105058
880-55502-30	S-31-0-1'	Soluble	Solid	300.0	105058
880-55502-31	S-31-1'-2'	Soluble	Solid	300.0	105058
880-55502-32	S-31-2'-3'	Soluble	Solid	300.0	105058
880-55502-33	S-32-0-1'	Soluble	Solid	300.0	105058
880-55502-34	S-32-1'-2'	Soluble	Solid	300.0	105058
880-55502-35	S-32-2'-3'	Soluble	Solid	300.0	105058
880-55502-36	S-33-0-1'	Soluble	Solid	300.0	105058
880-55502-37	S-33-1'-2'	Soluble	Solid	300.0	105058
880-55502-38	S-33-2'-3'	Soluble	Solid	300.0	105058
880-55502-39	S-35-0-1'	Soluble	Solid	300.0	105058
880-55502-40	S-35-1'-2'	Soluble	Solid	300.0	105058
880-55502-42	S-36-0-1'	Soluble	Solid	300.0	105058
MB 880-105058/1-A	Method Blank	Soluble	Solid	300.0	105058
LCS 880-105058/2-A	Lab Control Sample	Soluble	Solid	300.0	105058
LCSD 880-105058/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	105058
880-55502-31 MS	S-31-1'-2'	Soluble	Solid	300.0	105058
880-55502-31 MSD	S-31-1'-2'	Soluble	Solid	300.0	105058
880-55502-42 MS	S-36-0-1'	Soluble	Solid	300.0	105058
880-55502-42 MSD	S-36-0-1'	Soluble	Solid	300.0	105058

Leach Batch: 105090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-43	S-36-1'-2'	Soluble	Solid	DI Leach	
880-55502-44	S-36-2'-3'	Soluble	Solid	DI Leach	
MB 880-105090/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-105090/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-105090/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55502-43 MS	S-36-1'-2'	Soluble	Solid	DI Leach	
880-55502-43 MSD	S-36-1'-2'	Soluble	Solid	DI Leach	

Analysis Batch: 105103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55502-43	S-36-1'-2'	Soluble	Solid	300.0	105090
880-55502-44	S-36-2'-3'	Soluble	Solid	300.0	105090
MB 880-105090/1-A	Method Blank	Soluble	Solid	300.0	105090
LCS 880-105090/2-A	Lab Control Sample	Soluble	Solid	300.0	105090
LCSD 880-105090/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	105090
880-55502-43 MS	S-36-1'-2'	Soluble	Solid	300.0	105090
880-55502-43 MSD	S-36-1'-2'	Soluble	Solid	300.0	105090

Leach Batch: 105221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-1	S-28-0-1'	Soluble	Solid	DI Leach	
880-55599-2	S-28-1'-2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 105221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-3	S-28-2'-3'	Soluble	Solid	DI Leach	
880-55599-4	H-9-0-1'	Soluble	Solid	DI Leach	
880-55599-5	H-10-0-1'	Soluble	Solid	DI Leach	
880-55599-6	H-17-0-1'	Soluble	Solid	DI Leach	
880-55599-7	S-28-3'-4'	Soluble	Solid	DI Leach	
880-55599-8	S-28-4'-5'	Soluble	Solid	DI Leach	
880-55599-9	S-34-3'-4'	Soluble	Solid	DI Leach	
880-55599-10	S-34-4'-5'	Soluble	Solid	DI Leach	
880-55599-11	S-37-0-1'	Soluble	Solid	DI Leach	
880-55599-12	S-37-1'-2'	Soluble	Solid	DI Leach	
880-55599-13	S-37-2'-3'	Soluble	Solid	DI Leach	
880-55599-14	S-38-0-1'	Soluble	Solid	DI Leach	
880-55599-15	S-38-1'-2'	Soluble	Solid	DI Leach	
880-55599-16	S-38-2'-3'	Soluble	Solid	DI Leach	
880-55599-17	S-39-0-1'	Soluble	Solid	DI Leach	
880-55599-18	S-39-1'-2'	Soluble	Solid	DI Leach	
880-55599-19	S-39-2'-3'	Soluble	Solid	DI Leach	
880-55599-20	S-40-0-1'	Soluble	Solid	DI Leach	
MB 880-105221/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-105221/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-105221/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55599-1 MS	S-28-0-1'	Soluble	Solid	DI Leach	
880-55599-1 MSD	S-28-0-1'	Soluble	Solid	DI Leach	
880-55599-11 MS	S-37-0-1'	Soluble	Solid	DI Leach	
880-55599-11 MSD	S-37-0-1'	Soluble	Solid	DI Leach	

Leach Batch: 105222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-21	S-40-1'-2'	Soluble	Solid	DI Leach	
880-55599-22	S-40-2'-3'	Soluble	Solid	DI Leach	
880-55599-23	S-25-0-1'	Soluble	Solid	DI Leach	
880-55599-24	S-25-1'-2'	Soluble	Solid	DI Leach	
880-55599-25	S-25-2'-3'	Soluble	Solid	DI Leach	
880-55599-26	S-25-3'-4'	Soluble	Solid	DI Leach	
880-55599-27	S-25-4'-5'	Soluble	Solid	DI Leach	
880-55599-28	H-18-0-1'	Soluble	Solid	DI Leach	
880-55599-29	S-38-3'-4'	Soluble	Solid	DI Leach	
880-55599-30	S-38-4'-5'	Soluble	Solid	DI Leach	
880-55599-31	S-28-5'-6'	Soluble	Solid	DI Leach	
880-55599-32	S-34-5'-6'	Soluble	Solid	DI Leach	
880-55599-33	S-39-3'-4'	Soluble	Solid	DI Leach	
880-55599-34	S-39-4'-5'	Soluble	Solid	DI Leach	
880-55599-35	S-40-3'-4'	Soluble	Solid	DI Leach	
880-55599-36	S-40-4'-5'	Soluble	Solid	DI Leach	
MB 880-105222/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-105222/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-105222/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55599-29 MS	S-38-3'-4'	Soluble	Solid	DI Leach	
880-55599-29 MSD	S-38-3'-4'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

HPLC/IC

Analysis Batch: 105223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-1	S-28-0-1'	Soluble	Solid	300.0	105221
880-55599-2	S-28-1'-2'	Soluble	Solid	300.0	105221
880-55599-3	S-28-2'-3'	Soluble	Solid	300.0	105221
880-55599-4	H-9-0-1'	Soluble	Solid	300.0	105221
880-55599-5	H-10-0-1'	Soluble	Solid	300.0	105221
880-55599-6	H-17-0-1'	Soluble	Solid	300.0	105221
880-55599-7	S-28-3'-4'	Soluble	Solid	300.0	105221
880-55599-8	S-28-4'-5'	Soluble	Solid	300.0	105221
880-55599-9	S-34-3'-4'	Soluble	Solid	300.0	105221
880-55599-10	S-34-4'-5'	Soluble	Solid	300.0	105221
880-55599-11	S-37-0-1'	Soluble	Solid	300.0	105221
880-55599-12	S-37-1'-2'	Soluble	Solid	300.0	105221
880-55599-13	S-37-2'-3'	Soluble	Solid	300.0	105221
880-55599-14	S-38-0-1'	Soluble	Solid	300.0	105221
880-55599-15	S-38-1'-2'	Soluble	Solid	300.0	105221
880-55599-16	S-38-2'-3'	Soluble	Solid	300.0	105221
880-55599-17	S-39-0-1'	Soluble	Solid	300.0	105221
880-55599-18	S-39-1'-2'	Soluble	Solid	300.0	105221
880-55599-19	S-39-2'-3'	Soluble	Solid	300.0	105221
880-55599-20	S-40-0-1'	Soluble	Solid	300.0	105221
MB 880-105221/1-A	Method Blank	Soluble	Solid	300.0	105221
LCS 880-105221/2-A	Lab Control Sample	Soluble	Solid	300.0	105221
LCSD 880-105221/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	105221
880-55599-1 MS	S-28-0-1'	Soluble	Solid	300.0	105221
880-55599-1 MSD	S-28-0-1'	Soluble	Solid	300.0	105221
880-55599-11 MS	S-37-0-1'	Soluble	Solid	300.0	105221
880-55599-11 MSD	S-37-0-1'	Soluble	Solid	300.0	105221

Analysis Batch: 105241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55599-21	S-40-1'-2'	Soluble	Solid	300.0	105222
880-55599-22	S-40-2'-3'	Soluble	Solid	300.0	105222
880-55599-23	S-25-0-1'	Soluble	Solid	300.0	105222
880-55599-24	S-25-1'-2'	Soluble	Solid	300.0	105222
880-55599-25	S-25-2'-3'	Soluble	Solid	300.0	105222
880-55599-26	S-25-3'-4'	Soluble	Solid	300.0	105222
880-55599-27	S-25-4'-5'	Soluble	Solid	300.0	105222
880-55599-28	H-18-0-1'	Soluble	Solid	300.0	105222
880-55599-29	S-38-3'-4'	Soluble	Solid	300.0	105222
880-55599-30	S-38-4'-5'	Soluble	Solid	300.0	105222
880-55599-31	S-28-5'-6'	Soluble	Solid	300.0	105222
880-55599-32	S-34-5'-6'	Soluble	Solid	300.0	105222
880-55599-33	S-39-3'-4'	Soluble	Solid	300.0	105222
880-55599-34	S-39-4'-5'	Soluble	Solid	300.0	105222
880-55599-35	S-40-3'-4'	Soluble	Solid	300.0	105222
880-55599-36	S-40-4'-5'	Soluble	Solid	300.0	105222
MB 880-105222/1-A	Method Blank	Soluble	Solid	300.0	105222
LCS 880-105222/2-A	Lab Control Sample	Soluble	Solid	300.0	105222
LCSD 880-105222/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	105222
880-55599-29 MS	S-38-3'-4'	Soluble	Solid	300.0	105222
880-55599-29 MSD	S-38-3'-4'	Soluble	Solid	300.0	105222

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-1-0-1'
Date Collected: 03/07/25 09:30
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-1
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	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 16:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/13/25 11:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 11:40	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 09:18	CH	EET MID

Client Sample ID: H-2-0-1'
Date Collected: 03/07/25 09:40
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-2
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			5.05 g	5 mL	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 16:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 16:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/13/25 12:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 12:24	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 14:20	CH	EET MID

Client Sample ID: H-3-0-1'
Date Collected: 03/07/25 09:50
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-3
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	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 16:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/14/25 13:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	105277	03/14/25 08:16	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105297	03/14/25 13:24	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 14:26	CH	EET MID

Client Sample ID: H-4-0-1'
Date Collected: 03/07/25 10:00
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-4
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	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 17:17	AJ	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-4-0-1'
Date Collected: 03/07/25 10:00
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-4
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			105318	03/13/25 12:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 12:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 14:32	CH	EET MID

Client Sample ID: H-5-0-1'
Date Collected: 03/07/25 10:10
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-5
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			4.98 g	5 mL	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/14/25 13:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	105277	03/14/25 08:16	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105297	03/14/25 13:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 14:38	CH	EET MID

Client Sample ID: H-7-0-1'
Date Collected: 03/07/25 10:20
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-6
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	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 17:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/14/25 17:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105277	03/14/25 08:16	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105297	03/14/25 17:25	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 15:04	CH	EET MID

Client Sample ID: H-14-0-1'
Date Collected: 03/07/25 10:30
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-7
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			4.95 g	5 mL	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 18:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/13/25 13:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 13:39	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-14-0-1'
Date Collected: 03/07/25 10:30
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-7
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			5.03 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 15:10	CH	EET MID

Client Sample ID: H-21-0-1'
Date Collected: 03/07/25 10:40
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-8
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	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 18:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/13/25 13:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 13:54	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 15:16	CH	EET MID

Client Sample ID: H-23-0-1'
Date Collected: 03/07/25 10:50
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-9
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			5.04 g	5 mL	105096	03/12/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105095	03/12/25 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105208	03/12/25 19:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105318	03/13/25 14:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 14:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 15:22	CH	EET MID

Client Sample ID: H-18-0-1'
Date Collected: 03/07/25 11:00
Date Received: 03/07/25 17:07

Lab Sample ID: 880-55403-10
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			5.02 g	5 mL	105643	03/20/25 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105632	03/20/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105692	03/20/25 13:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105687	03/20/25 13:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105620	03/20/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105636	03/20/25 13:00	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104934	03/10/25 13:49	SA	EET MID
Soluble	Analysis	300.0		1			104988	03/11/25 15:27	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-6-0-1'
Date Collected: 03/10/25 09:30
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-1
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	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/19/25 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/19/25 23:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 19:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	105580	03/19/25 13:39	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105636	03/20/25 19:49	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 06:16	SMC	EET MID

Client Sample ID: H-8-0-1'
Date Collected: 03/10/25 09:35
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-2
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			4.99 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 01:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 20:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	105580	03/19/25 13:39	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105636	03/20/25 20:04	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 06:34	SMC	EET MID

Client Sample ID: H-10-0-1'
Date Collected: 03/10/25 09:40
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-3
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			5.01 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 01:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 01:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 20:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	105580	03/19/25 13:39	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105636	03/20/25 20:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 14:59	SMC	EET MID

Client Sample ID: H-11-0-1'
Date Collected: 03/10/25 09:45
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-4
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			5.03 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 02:07	AJ	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-11-0-1'
Date Collected: 03/10/25 09:45
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-4
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			105771	03/20/25 20:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	105580	03/19/25 13:39	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105636	03/20/25 20:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 15:05	SMC	EET MID

Client Sample ID: H-12-0-1'
Date Collected: 03/10/25 09:50
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-5
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	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 03:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 20:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	105580	03/19/25 13:39	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105636	03/20/25 20:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 06:51	SMC	EET MID

Client Sample ID: H-13-0-1'
Date Collected: 03/10/25 09:55
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-6
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	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 03:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 03:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 21:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105580	03/19/25 13:39	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105636	03/20/25 21:06	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 13:17	SMC	EET MID

Client Sample ID: H-15-0-1'
Date Collected: 03/10/25 10:00
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-7
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			4.99 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 04:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 12:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 12:59	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-15-0-1'
Date Collected: 03/10/25 10:00
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-7
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			5.03 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 13:23	SMC	EET MID

Client Sample ID: H-16-0-1'
Date Collected: 03/10/25 10:05
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-8
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			4.97 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 04:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 13:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 13:48	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 13:28	SMC	EET MID

Client Sample ID: H-18-0-1'
Date Collected: 03/10/25 10:10
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-9
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			5.01 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 04:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 14:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 14:04	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 13:34	SMC	EET MID

Client Sample ID: H-19-0-1'
Date Collected: 03/10/25 10:15
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-10
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			5.05 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 05:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/25/25 12:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	105952	03/19/25 07:32	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105970	03/25/25 12:48	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 13:40	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-20-0-1'
Date Collected: 03/10/25 10:20
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-11
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			5.03 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 05:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 15:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 15:27	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 07:37	SMC	EET MID

Client Sample ID: H-22-0-1'
Date Collected: 03/10/25 10:25
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-12
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			5.01 g	5 mL	105578	03/19/25 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105552	03/20/25 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 05:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 15:43	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 07:54	SMC	EET MID

Client Sample ID: S-29-0-1'
Date Collected: 03/10/25 10:30
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-13
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	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105061	03/12/25 08:00	SMC	EET MID

Client Sample ID: S-29-1'-2'
Date Collected: 03/10/25 10:35
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 08:18	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-29-2'-3'
Date Collected: 03/10/25 10:40
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-15
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			5.01 g	5 mL	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 14:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 15:59	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 08:23	SMC	EET MID

Client Sample ID: S-24-0-1'
Date Collected: 03/10/25 10:45
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-16
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			4.99 g	5 mL	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 14:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 16:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 16:15	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 08:29	SMC	EET MID

Client Sample ID: S-24-1'-2'
Date Collected: 03/10/25 10:50
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 08:35	SMC	EET MID

Client Sample ID: S-26-0'-1'
Date Collected: 03/10/25 11:00
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-19
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			5.01 g	5 mL	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 15:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 15:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 16:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 16:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 08:46	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-26-1'-2'
Date Collected: 03/10/25 11:05
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-20
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	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 08:52	SMC	EET MID

Client Sample ID: S-27-0-1'
Date Collected: 03/10/25 11:15
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-22
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			5.03 g	5 mL	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 15:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/24/25 16:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105811	03/21/25 16:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105866	03/24/25 16:47	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 08:07	SMC	EET MID

Client Sample ID: S-27-1'-2'
Date Collected: 03/10/25 11:20
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 08:13	SMC	EET MID

Client Sample ID: S-34-0-1'
Date Collected: 03/10/25 11:25
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105064	03/12/25 08:19	SMC	EET MID

Client Sample ID: S-34-1'-2'
Date Collected: 03/10/25 11:30
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 08:25	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-34-2'-3'
Lab Sample ID: 880-55502-26
Date Collected: 03/10/25 11:35
Matrix: Solid
Date Received: 03/11/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 08:43	SMC	EET MID

Client Sample ID: S-30-0-1'
Lab Sample ID: 880-55502-27
Date Collected: 03/10/25 11:40
Matrix: Solid
Date Received: 03/11/25 14:35

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	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105064	03/12/25 08:49	SMC	EET MID

Client Sample ID: S-30-1'-2'
Lab Sample ID: 880-55502-28
Date Collected: 03/10/25 11:45
Matrix: Solid
Date Received: 03/11/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 08:55	SMC	EET MID

Client Sample ID: S-30-2'-3'
Lab Sample ID: 880-55502-29
Date Collected: 03/10/25 11:50
Matrix: Solid
Date Received: 03/11/25 14:35

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	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 15:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 15:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 10:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 10:15	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 09:00	SMC	EET MID

Client Sample ID: S-31-0-1'
Lab Sample ID: 880-55502-30
Date Collected: 03/10/25 11:55
Matrix: Solid
Date Received: 03/11/25 14:35

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	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105064	03/12/25 09:06	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-31-1'-2'
Lab Sample ID: 880-55502-31
Date Collected: 03/10/25 12:00
Matrix: Solid
Date Received: 03/11/25 14:35

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	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 09:12	SMC	EET MID

Client Sample ID: S-31-2'-3'
Lab Sample ID: 880-55502-32
Date Collected: 03/10/25 12:05
Matrix: Solid
Date Received: 03/11/25 14:35

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	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 16:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 10:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 10:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 09:30	SMC	EET MID

Client Sample ID: S-32-0-1'
Lab Sample ID: 880-55502-33
Date Collected: 03/10/25 12:10
Matrix: Solid
Date Received: 03/11/25 14:35

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	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105064	03/12/25 09:36	SMC	EET MID

Client Sample ID: S-32-1'-2'
Lab Sample ID: 880-55502-34
Date Collected: 03/10/25 12:15
Matrix: Solid
Date Received: 03/11/25 14:35

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	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 09:53	SMC	EET MID

Client Sample ID: S-32-2'-3'
Lab Sample ID: 880-55502-35
Date Collected: 03/10/25 12:20
Matrix: Solid
Date Received: 03/11/25 14:35

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	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 16:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 11:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 11:14	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-32-2'-3'
Date Collected: 03/10/25 12:20
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 09:59	SMC	EET MID

Client Sample ID: S-33-0-1'
Date Collected: 03/10/25 12:25
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-36
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			5.03 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105064	03/12/25 10:05	SMC	EET MID

Client Sample ID: S-33-1'-2'
Date Collected: 03/10/25 12:30
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 10:11	SMC	EET MID

Client Sample ID: S-33-2'-3'
Date Collected: 03/10/25 12:35
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-38
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	5030B			4.97 g	5 mL	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 16:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 11:29	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 10:17	SMC	EET MID

Client Sample ID: S-35-0-1'
Date Collected: 03/10/25 12:40
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-39
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	5030B			5.01 g	5 mL	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 17:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 11:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 11:44	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-35-0-1'
Date Collected: 03/10/25 12:40
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-39
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	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 10:23	SMC	EET MID

Client Sample ID: S-35-1'-2'
Date Collected: 03/10/25 12:45
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-40
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	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 10:29	SMC	EET MID

Client Sample ID: S-35-2'-3'
Date Collected: 03/10/25 12:50
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	105057	03/11/25 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105061	03/12/25 08:40	SMC	EET MID

Client Sample ID: S-36-0-1'
Date Collected: 03/10/25 12:55
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	105058	03/11/25 15:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105064	03/12/25 04:13	SMC	EET MID

Client Sample ID: S-36-1'-2'
Date Collected: 03/10/25 13:00
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-43
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			5.03 g	50 mL	105090	03/12/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105103	03/12/25 09:44	SMC	EET MID

Client Sample ID: S-36-2'-3'
Date Collected: 03/10/25 13:05
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-44
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	5030B			5.05 g	5 mL	105579	03/19/25 13:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105631	03/20/25 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105688	03/20/25 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105771	03/20/25 11:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 11:58	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-36-2'-3'
Date Collected: 03/10/25 13:05
Date Received: 03/11/25 14:35

Lab Sample ID: 880-55502-44
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	105090	03/12/25 07:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105103	03/12/25 10:01	SMC	EET MID

Client Sample ID: S-28-0-1'
Date Collected: 03/11/25 09:00
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-1
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			5.04 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105223	03/13/25 16:57	SMC	EET MID

Client Sample ID: S-28-1'-2'
Date Collected: 03/11/25 09:10
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 17:15	SMC	EET MID

Client Sample ID: S-28-2'-3'
Date Collected: 03/11/25 09:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-3
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			5.03 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 17:21	SMC	EET MID

Client Sample ID: H-9-0-1'
Date Collected: 03/11/25 10:00
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-4
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			5.01 g	5 mL	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 11:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 11:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 12:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 12:15	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 17:27	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: H-10-0-1'
Date Collected: 03/11/25 10:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-5
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			4.95 g	5 mL	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 11:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 12:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 12:29	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 17:32	SMC	EET MID

Client Sample ID: H-17-0-1'
Date Collected: 03/11/25 10:40
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-6
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			4.98 g	5 mL	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 12:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 12:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 12:43	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 17:58	SMC	EET MID

Client Sample ID: S-28-3'-4'
Date Collected: 03/11/25 11:15
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-7
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			4.96 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 18:04	SMC	EET MID

Client Sample ID: S-28-4'-5'
Date Collected: 03/11/25 11:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-8
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	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 12:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 13:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 13:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 18:10	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-34-3'-4'

Lab Sample ID: 880-55599-9
Matrix: Solid
Date Collected: 03/11/25 11:40
Date Received: 03/13/25 09:50

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	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 18:15	SMC	EET MID

Client Sample ID: S-34-4'-5'

Lab Sample ID: 880-55599-10
Matrix: Solid
Date Collected: 03/11/25 11:05
Date Received: 03/13/25 09:50

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	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 12:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 13:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 13:18	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 18:21	SMC	EET MID

Client Sample ID: S-37-0-1'

Lab Sample ID: 880-55599-11
Matrix: Solid
Date Collected: 03/11/25 11:20
Date Received: 03/13/25 09:50

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	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 13:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 13:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 13:36	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 18:27	SMC	EET MID

Client Sample ID: S-37-1'-2'

Lab Sample ID: 880-55599-12
Matrix: Solid
Date Collected: 03/11/25 11:40
Date Received: 03/13/25 09:50

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	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 18:45	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-37-2'-3'
Date Collected: 03/11/25 11:50
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-13
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			4.97 g	5 mL	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 13:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 13:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 13:54	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 18:51	SMC	EET MID

Client Sample ID: S-38-0-1'
Date Collected: 03/11/25 12:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-14
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			5.03 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105223	03/13/25 19:08	SMC	EET MID

Client Sample ID: S-38-1'-2'
Date Collected: 03/11/25 12:30
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-15
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	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 19:14	SMC	EET MID

Client Sample ID: S-38-2'-3'
Date Collected: 03/11/25 12:40
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-16
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	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 13:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 14:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 14:12	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 19:20	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-39-0-1'
Date Collected: 03/11/25 13:00
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	105221	03/13/25 11:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 19:26	SMC	EET MID

Client Sample ID: S-39-1'-2'
Date Collected: 03/11/25 13:10
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-18
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			4.96 g	5 mL	105201	03/13/25 11:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105190	03/13/25 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105294	03/13/25 14:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105320	03/13/25 16:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 16:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	105221	03/13/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 19:32	SMC	EET MID

Client Sample ID: S-39-2'-3'
Date Collected: 03/11/25 13:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-19
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			5.05 g	5 mL	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 14:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 14:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 14:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	105221	03/13/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105223	03/13/25 19:38	SMC	EET MID

Client Sample ID: S-40-0-1'
Date Collected: 03/11/25 13:40
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	105221	03/13/25 11:09	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	105223	03/13/25 19:43	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-40-1'-2'
Date Collected: 03/11/25 13:50
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-21
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			5.01 g	5 mL	105201	03/13/25 11:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105190	03/13/25 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105294	03/13/25 16:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105320	03/13/25 17:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	105195	03/13/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105218	03/13/25 17:04	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105241	03/13/25 19:49	SMC	EET MID

Client Sample ID: S-40-2'-3'
Date Collected: 03/11/25 14:00
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105241	03/14/25 11:18	SMC	EET MID

Client Sample ID: S-25-0-1'
Date Collected: 03/12/25 14:10
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-23
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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 20:00	SMC	EET MID

Client Sample ID: S-25-1'-2'
Date Collected: 03/12/25 14:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-24
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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 20:18	SMC	EET MID

Client Sample ID: S-25-2'-3'
Date Collected: 03/12/25 14:30
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 20:23	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-25-3'-4'
Lab Sample ID: 880-55599-26
Date Collected: 03/12/25 09:50
Matrix: Solid
Date Received: 03/13/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 20:29	SMC	EET MID

Client Sample ID: S-25-4'-5'
Lab Sample ID: 880-55599-27
Date Collected: 03/12/25 10:00
Matrix: Solid
Date Received: 03/13/25 09:50

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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 20:35	SMC	EET MID

Client Sample ID: H-18-0-1'
Lab Sample ID: 880-55599-28
Date Collected: 03/12/25 10:10
Matrix: Solid
Date Received: 03/13/25 09:50

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	105729	03/21/25 08:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105723	03/21/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 14:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 14:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 14:48	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 20:41	SMC	EET MID

Client Sample ID: S-38-3'-4'
Lab Sample ID: 880-55599-29
Date Collected: 03/12/25 10:20
Matrix: Solid
Date Received: 03/13/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 20:46	SMC	EET MID

Client Sample ID: S-38-4'-5'
Lab Sample ID: 880-55599-30
Date Collected: 03/12/25 10:30
Matrix: Solid
Date Received: 03/13/25 09:50

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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 21:04	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-28-5'-6'
Date Collected: 03/12/25 11:40
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-31
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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/13/25 21:09	SMC	EET MID

Client Sample ID: S-34-5'-6'
Date Collected: 03/12/25 12:00
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/14/25 03:25	SMC	EET MID

Client Sample ID: S-39-3'-4'
Date Collected: 03/12/25 12:05
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-33
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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/14/25 03:31	SMC	EET MID

Client Sample ID: S-39-4'-5'
Date Collected: 03/12/25 12:10
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-34
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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/14/25 03:37	SMC	EET MID

Client Sample ID: S-40-3'-4'
Date Collected: 03/12/25 12:15
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-35
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			5.03 g	50 mL	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/14/25 03:43	SMC	EET MID

Client Sample ID: S-40-4'-5'
Date Collected: 03/12/25 12:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-36
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	5030B			4.99 g	5 mL	105749	03/21/25 15:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105721	03/21/25 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105805	03/21/25 17:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105772	03/20/25 15:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	105588	03/19/25 14:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105638	03/20/25 15:05	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Client Sample ID: S-40-4'-5'

Date Collected: 03/12/25 12:20
Date Received: 03/13/25 09:50

Lab Sample ID: 880-55599-36

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	105222	03/13/25 11:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105241	03/14/25 03:49	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	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 US Inc. Job ID: 880-55599-2
Project/Site: Tomahawk WC Unit 714 SDG: Eddy County, NM

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
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-55403-1	H-1-0-1'	Solid	03/07/25 09:30	03/07/25 17:07	0 - 1
880-55403-2	H-2-0-1'	Solid	03/07/25 09:40	03/07/25 17:07	0 - 1
880-55403-3	H-3-0-1'	Solid	03/07/25 09:50	03/07/25 17:07	0 - 1
880-55403-4	H-4-0-1'	Solid	03/07/25 10:00	03/07/25 17:07	0 - 1
880-55403-5	H-5-0-1'	Solid	03/07/25 10:10	03/07/25 17:07	0 - 1
880-55403-6	H-7-0-1'	Solid	03/07/25 10:20	03/07/25 17:07	0 - 1
880-55403-7	H-14-0-1'	Solid	03/07/25 10:30	03/07/25 17:07	0 - 1
880-55403-8	H-21-0-1'	Solid	03/07/25 10:40	03/07/25 17:07	0 - 1
880-55403-9	H-23-0-1'	Solid	03/07/25 10:50	03/07/25 17:07	0 - 1
880-55403-10	H-18-0-1'	Solid	03/07/25 11:00	03/07/25 17:07	0 - 1
880-55502-1	H-6-0-1'	Solid	03/10/25 09:30	03/11/25 14:35	
880-55502-2	H-8-0-1'	Solid	03/10/25 09:35	03/11/25 14:35	
880-55502-3	H-10-0-1'	Solid	03/10/25 09:40	03/11/25 14:35	
880-55502-4	H-11-0-1'	Solid	03/10/25 09:45	03/11/25 14:35	
880-55502-5	H-12-0-1'	Solid	03/10/25 09:50	03/11/25 14:35	
880-55502-6	H-13-0-1'	Solid	03/10/25 09:55	03/11/25 14:35	
880-55502-7	H-15-0-1'	Solid	03/10/25 10:00	03/11/25 14:35	
880-55502-8	H-16-0-1'	Solid	03/10/25 10:05	03/11/25 14:35	
880-55502-9	H-18-0-1'	Solid	03/10/25 10:10	03/11/25 14:35	
880-55502-10	H-19-0-1'	Solid	03/10/25 10:15	03/11/25 14:35	
880-55502-11	H-20-0-1'	Solid	03/10/25 10:20	03/11/25 14:35	
880-55502-12	H-22-0-1'	Solid	03/10/25 10:25	03/11/25 14:35	
880-55502-13	S-29-0-1'	Solid	03/10/25 10:30	03/11/25 14:35	
880-55502-14	S-29-1'-2'	Solid	03/10/25 10:35	03/11/25 14:35	
880-55502-15	S-29-2'-3'	Solid	03/10/25 10:40	03/11/25 14:35	
880-55502-16	S-24-0-1'	Solid	03/10/25 10:45	03/11/25 14:35	
880-55502-17	S-24-1'-2'	Solid	03/10/25 10:50	03/11/25 14:35	
880-55502-19	S-26-0'-1'	Solid	03/10/25 11:00	03/11/25 14:35	
880-55502-20	S-26-1'-2'	Solid	03/10/25 11:05	03/11/25 14:35	
880-55502-22	S-27-0-1'	Solid	03/10/25 11:15	03/11/25 14:35	
880-55502-23	S-27-1'-2'	Solid	03/10/25 11:20	03/11/25 14:35	
880-55502-24	S-34-0-1'	Solid	03/10/25 11:25	03/11/25 14:35	
880-55502-25	S-34-1'-2'	Solid	03/10/25 11:30	03/11/25 14:35	
880-55502-26	S-34-2'-3'	Solid	03/10/25 11:35	03/11/25 14:35	
880-55502-27	S-30-0-1'	Solid	03/10/25 11:40	03/11/25 14:35	
880-55502-28	S-30-1'-2'	Solid	03/10/25 11:45	03/11/25 14:35	
880-55502-29	S-30-2'-3'	Solid	03/10/25 11:50	03/11/25 14:35	
880-55502-30	S-31-0-1'	Solid	03/10/25 11:55	03/11/25 14:35	
880-55502-31	S-31-1'-2'	Solid	03/10/25 12:00	03/11/25 14:35	
880-55502-32	S-31-2'-3'	Solid	03/10/25 12:05	03/11/25 14:35	
880-55502-33	S-32-0-1'	Solid	03/10/25 12:10	03/11/25 14:35	
880-55502-34	S-32-1'-2'	Solid	03/10/25 12:15	03/11/25 14:35	
880-55502-35	S-32-2'-3'	Solid	03/10/25 12:20	03/11/25 14:35	
880-55502-36	S-33-0-1'	Solid	03/10/25 12:25	03/11/25 14:35	
880-55502-37	S-33-1'-2'	Solid	03/10/25 12:30	03/11/25 14:35	
880-55502-38	S-33-2'-3'	Solid	03/10/25 12:35	03/11/25 14:35	
880-55502-39	S-35-0-1'	Solid	03/10/25 12:40	03/11/25 14:35	
880-55502-40	S-35-1'-2'	Solid	03/10/25 12:45	03/11/25 14:35	
880-55502-41	S-35-2'-3'	Solid	03/10/25 12:50	03/11/25 14:35	
880-55502-42	S-36-0-1'	Solid	03/10/25 12:55	03/11/25 14:35	
880-55502-43	S-36-1'-2'	Solid	03/10/25 13:00	03/11/25 14:35	
880-55502-44	S-36-2'-3'	Solid	03/10/25 13:05	03/11/25 14:35	
880-55599-1	S-28-0-1'	Solid	03/11/25 09:00	03/13/25 09:50	
880-55599-2	S-28-1'-2'	Solid	03/11/25 09:10	03/13/25 09:50	

Sample Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 880-55599-2
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-55599-3	S-28-2'-3'	Solid	03/11/25 09:20	03/13/25 09:50	
880-55599-4	H-9-0-1'	Solid	03/11/25 10:00	03/13/25 09:50	
880-55599-5	H-10-0-1'	Solid	03/11/25 10:20	03/13/25 09:50	
880-55599-6	H-17-0-1'	Solid	03/11/25 10:40	03/13/25 09:50	
880-55599-7	S-28-3'-4'	Solid	03/11/25 11:15	03/13/25 09:50	
880-55599-8	S-28-4'-5'	Solid	03/11/25 11:20	03/13/25 09:50	
880-55599-9	S-34-3'-4'	Solid	03/11/25 11:40	03/13/25 09:50	
880-55599-10	S-34-4'-5'	Solid	03/11/25 11:05	03/13/25 09:50	
880-55599-11	S-37-0-1'	Solid	03/11/25 11:20	03/13/25 09:50	
880-55599-12	S-37-1'-2'	Solid	03/11/25 11:40	03/13/25 09:50	
880-55599-13	S-37-2'-3'	Solid	03/11/25 11:50	03/13/25 09:50	
880-55599-14	S-38-0-1'	Solid	03/11/25 12:20	03/13/25 09:50	
880-55599-15	S-38-1'-2'	Solid	03/11/25 12:30	03/13/25 09:50	
880-55599-16	S-38-2'-3'	Solid	03/11/25 12:40	03/13/25 09:50	
880-55599-17	S-39-0-1'	Solid	03/11/25 13:00	03/13/25 09:50	
880-55599-18	S-39-1'-2'	Solid	03/11/25 13:10	03/13/25 09:50	
880-55599-19	S-39-2'-3'	Solid	03/11/25 13:20	03/13/25 09:50	
880-55599-20	S-40-0-1'	Solid	03/11/25 13:40	03/13/25 09:50	
880-55599-21	S-40-1'-2'	Solid	03/11/25 13:50	03/13/25 09:50	
880-55599-22	S-40-2'-3'	Solid	03/11/25 14:00	03/13/25 09:50	
880-55599-23	S-25-0-1'	Solid	03/12/25 14:10	03/13/25 09:50	
880-55599-24	S-25-1'-2'	Solid	03/12/25 14:20	03/13/25 09:50	
880-55599-25	S-25-2'-3'	Solid	03/12/25 14:30	03/13/25 09:50	
880-55599-26	S-25-3'-4'	Solid	03/12/25 09:50	03/13/25 09:50	
880-55599-27	S-25-4'-5'	Solid	03/12/25 10:00	03/13/25 09:50	
880-55599-28	H-18-0-1'	Solid	03/12/25 10:10	03/13/25 09:50	
880-55599-29	S-38-3'-4'	Solid	03/12/25 10:20	03/13/25 09:50	
880-55599-30	S-38-4'-5'	Solid	03/12/25 10:30	03/13/25 09:50	
880-55599-31	S-28-5'-6'	Solid	03/12/25 11:40	03/13/25 09:50	
880-55599-32	S-34-5'-6'	Solid	03/12/25 12:00	03/13/25 09:50	
880-55599-33	S-39-3'-4'	Solid	03/12/25 12:05	03/13/25 09:50	
880-55599-34	S-39-4'-5'	Solid	03/12/25 12:10	03/13/25 09:50	
880-55599-35	S-40-3'-4'	Solid	03/12/25 12:15	03/13/25 09:50	
880-55599-36	S-40-4'-5'	Solid	03/12/25 12:20	03/13/25 09:50	

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

880-55403 Chain of Custody

www.xenco.com Page _____ of _____

Project Manager:	Justin Nixon	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:	1004 N. Big Spring Suite 300	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:		Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tomahawk	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Chris Pavia	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Samples Received Intact:	Yes No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.1	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	20.3	
Total Containers:		Corrected Temperature:	20.3	
Temp Blank:	Yes No	Wet Ice:	Yes No	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: NaSO$_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Cl 300	BTEX	TPH	Sample Comments
HA-1-0-1'	Soil	3-7-25	0930	0-1'	G	1		✓	✓	✓	Hold on BTEX & TPH
HA-2-0-1'			0940								
HA-3-0-1'			0950								
HA-4-0-1'			1000								
HA-5-0-1'			1010								
HA-7-0-1'			1020								
HA-14-0-1'			1030								
HA-21-0-1'			1040								
HA-23-0-1'			1050								
HA-1B-0-1'			1100								

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Chris Pa		3-7-25 1707	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 8/22/2025 8:57:49 AM

Released to Imaging: 8/25/2025 4:22:28 PM

4/8/2025 (Rev. 4)

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

880-55403 Chain of Custody

www.xenco.com Page _____ of _____

Project Manager:	Justin Nixon	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:	1004 N. Big Spring Suite 300	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:		Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tomahawk	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Chris Pavia	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Samples Received Intact:	Yes No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	20.3
Total Containers:		Corrected Temperature:	20.3

Temp Blank: Yes No Wet Ice: Yes No

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: NaSO$_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Cl 300	BTEX	TPH	Sample Comments
HA-1-0-1'	Soil	3-7-25	0930	0-1'	G	1		✓	✓	✓	Hold on BTEX & TPH
HA-2-0-1'			0940								
HA-3-0-1'			0950								
HA-4-0-1'			1000								
HA-5-0-1'			1010								
HA-7-0-1'			1020								
HA-14-0-1'			1030								
HA-21-0-1'			1040								
HA-23-0-1'			1050								
HA-1B-0-1'			1100								

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Chris P		3-7-25 1707	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 8/22/2025 8:57:49 AM

Released to Imaging: 8/25/2025 4:22:28 PM

Login Sample Receipt Checklist

Client: Arcadis US Inc. Job Number: 880-55403-1

Login Number: 55403 **List Source: Eurofins Midland**
List Number: 1
Creator: Lee, Randell

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.
Eurofins Midland

Appendix D

CRI Cover Sheet

Report run on: Mar 10, 2025 07:00 AM

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 157953 **HPD Log No(s).**

Registration

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Performing Agency: ARCADIS

Activity ID:

Performing Agency Report No: 30272835

Other Agencies:

Report Recipient (Your Client): Conoco Phillips

Activity Types:
- ☐ Research Design
- ☑ Archaeological Survey/Inventory
- ☐ Architectural Survey/Inventory
- ☐ Test Excavation
- ☐ Monitoring
- ☐ Collections/Non-Field Study
- ☐ Compliance Decision
- ☐ Literature Review Overview
- ☐ Excavation
- ☐ Ethnographic Study
- ☐ Resource/Property Visit
- ☐ Historic Structures Report
- ☐ Other:

Total Survey Acreage: 13.80

Total Tribal Acreage: 0.00

Total Resources Visited: 0

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit

Report Details

Type of Report Negative

Lead Agency

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: Class III Cultural Resources Investigation of 13.8 Acres at Tomahawk WC Unit 714, Eddy County, New Mexico

Arcadis U.S., Inc.
1330 Post Oak Blvd., Suite 2250
Houston
Texas 77056
Phone: 713 953 4800
www.arcadis.com

Appendix D

NMOCD Correspondence

Released to Imaging: 8/25/2025 4:22:28 PM
Received by OCD: 8/22/2025 8:57:49 AM

05/27/2025	The (05/27/2025, C-141N) application [467456] was assigned to this incident.
05/06/2025	The (05/06/2025, C-141) application [453055] was accepted by OCD. The operator was emailed with details of this event.
05/06/2025	Remediation plan approved with the following conditions: 1) Variance to collect samples every 500 ft2 is denied. Five-point composite confirmation samples may be collected from the floor of the excavations representing no more than 400 ft2 and from the sidewalls every 200 ft2. Samples must be tested for all Table I constituents. 2) Under the Site Characterization portion of the C-141 application, update the minimum distances to the following during resubmittal: any other significant watercourse (1/2-1 mile W), any playa lake (1/2-1 mile) and a 100-year floodplain (1/2-1 mile S). Submit remediation closure report to the OCD by 8/4/25.
05/06/2025	An application [453055] was submitted to OCD for review. It was submitted, indicating that it was an: [C-141] Application for administrative approval of a release notification and corrective action The operator was emailed confirmation of this event.

Appendix E

Laboratory Analytical Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Justin Nixon
Arcadis US Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 7/21/2025 4:08:27 PM Revision 1

JOB DESCRIPTION

Tomahawk WC Unit 714
EDDY COUNTY

JOB NUMBER

890-8450-2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 8/25/2025 4:22:28 PM

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



Generated
7/21/2025 4:08:27 PM
Revision 1

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Laboratory Job ID: 890-8450-2
SDG: EDDY COUNTY

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Definitions/Glossary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 880-59525-1 Eurofins Midland

Job Narrative
880-59525-1

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 6/19/2025 5:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

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: Surrogate recovery for the following sample was outside control limits: B-59-2' (880-59525-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-15-0-2' (880-59525-2). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: B-58-2' (880-59525-1). 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 for preparation batch 880-112650 and analytical batch 880-112653 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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 880-59967-1 Eurofins Midland

Job Narrative
880-59967-1

REVISION

The report being provided is a revision of the original report sent on 7/3/2025. The report (revision 1) is being revised due to Revised report to correct client sample ID per client request..

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 7/2/2025 9:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113537 and analytical batch 880-113561 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: SW-27-0-2' (880-59967-4), B-75-0-2' (880-59967-5), B-76-0-2' (880-59967-6), B-77-0-2' (880-59967-7), B-78-0-2' (880-59967-8), SW-28-0-4' (880-59967-9), SW-29-0-4' (880-59967-10), B-80-4' (880-59967-11), B-81-4' (880-59967-12), B-79-2' (880-59967-13), (880-59967-A-4-D MS) and (880-59967-A-4-E MSD).

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 880-59967-2 Eurofins Midland

Job Narrative
880-59967-2

REVISION

The report being provided is a revision of the original report sent on 7/3/2025. The report (revision 1) is being revised due to Revised report to correct client sample ID per client request..

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 7/2/2025 9:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

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

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8256-1 Eurofins Carlsbad

Job Narrative
890-8256-1

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 5/30/2025 4:13 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 2.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1-0-4 (890-8256-1), SW-2-0-4 (890-8256-2), SW-3-0-4 (890-8256-3), SW-4-0-4 (890-8256-4), SW-5-0-4 (890-8256-5), SW-6-0-4 (890-8256-6), B-2-4 (890-8256-7), B-3-4 (890-8256-8), B-4-4 (890-8256-9), B-5-4 (890-8256-10), B-6-4 (890-8256-11), B-8-4 (890-8256-12), B-12-4 (890-8256-13), B-18-4 (890-8256-14), B-19-4 (890-8256-15), B-20-4 (890-8256-16), B-21-4 (890-8256-17), B-22-4 (890-8256-18), B-23-4 (890-8256-19), SW-7-0-2 (890-8256-20), SW-9-0-2 (890-8256-21) and SW-11-0-2 (890-8256-22).

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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-111283 and analytical batch 880-111332 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-111118 and analytical batch 880-111332 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: B-2-4 (890-8256-7), B-4-4 (890-8256-9), B-6-4 (890-8256-11), B-8-4 (890-8256-12), B-12-4 (890-8256-13), B-19-4 (890-8256-15), B-20-4 (890-8256-16), B-21-4 (890-8256-17), SW-7-0-2 (890-8256-20), SW-9-0-2 (890-8256-21), SW-11-0-2 (890-8256-22) and (890-8256-A-14-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-111283 and analytical batch 880-111332 was outside the control limits.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111278 and analytical batch 880-111286 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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8260-1 Eurofins Carlsbad

Job Narrative
890-8260-1

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 6/2/2025 4:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 10 - 0 - 2' (890-8260-1), B - 17 - 2' (890-8260-2), B - 1 - 4' (890-8260-3), B - 7 - 4' (890-8260-4), B - 9 - 4' (890-8260-5), B - 10 - 4' (890-8260-6), B - 11 - 4' (890-8260-7), B - 24 - 2' (890-8260-8), B - 25 - 2' (890-8260-9), B - 26 - 2' (890-8260-10), B - 27 - 2' (890-8260-11), B - 28 - 2' (890-8260-12), B - 29 - 2' (890-8260-13), B - 30 - 2' (890-8260-14), SW - 8 - 0-2' (890-8260-15), SW - 12 - 0-2' (890-8260-16) and SW - 13 - 0-2' (890-8260-17).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-111456 recovered above the upper control limit for Benzene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-111456/20).

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW - 10 - 0 - 2' (890-8260-1), B - 17 - 2' (890-8260-2), B - 1 - 4' (890-8260-3), B - 7 - 4' (890-8260-4), B - 9 - 4' (890-8260-5), B - 10 - 4' (890-8260-6), B - 11 - 4' (890-8260-7), B - 24 - 2' (890-8260-8), B - 25 - 2' (890-8260-9), B - 26 - 2' (890-8260-10), B - 27 - 2' (890-8260-11), B - 28 - 2' (890-8260-12), B - 29 - 2' (890-8260-13), B - 30 - 2' (890-8260-14), SW - 8 - 0-2' (890-8260-15), SW - 12 - 0-2' (890-8260-16), SW - 13 - 0-2' (890-8260-17), (CCV 880-111456/2), (CCV 880-111456/20), (LCS 880-111487/1-A), (LCSD 880-111487/2-A), (MB 880-111487/5-A), (890-8260-A-1-H MS) and (890-8260-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-111453/2-A) and (LCSD 880-111453/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-111444 and analytical batch 880-111505 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111363 and analytical batch 880-111460 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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8260-1 (Continued)

Eurofins Carlsbad

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8266-1 Eurofins Carlsbad

Job Narrative
890-8266-1

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 6/3/2025 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: B - 13 - 2' (890-8266-1), B - 14 - 2' (890-8266-2), B - 15 - 2' (890-8266-3), B - 16 - 2' (890-8266-4), B - 31 - 2' (890-8266-5), B - 32 - 2' (890-8266-6), B - 33 - 2' (890-8266-7), B - 34 - 2' (890-8266-8), SW - 14 - 0-2' (890-8266-9) and SW - 15 - 0-2' (890-8266-10).

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: Surrogate recovery for the following samples were outside control limits: (LCS 880-111453/2-A) and (LCSD 880-111453/3-A). 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: B - 13 - 2' (890-8266-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: B - 15 - 2' (890-8266-3) and SW - 15 - 0-2' (890-8266-10). 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 continuing calibration blank (CCB) for analytical batch 880-111461 contained Chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8268-1 Eurofins Carlsbad

Job Narrative
890-8268-1

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 sample was received on 6/4/2025 2:46 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: BACKFILL (890-8268-1).

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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8292-1 Eurofins Carlsbad

Job Narrative
890-8292-1

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 6/13/2025 2:46 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 4.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: B - 35 - 2' (890-8292-1), B - 36 - 2' (890-8292-2), B - 37 - 2' (890-8292-3), B - 38 - 2' (890-8292-4), B - 39 - 2' (890-8292-5), B - 40 - 2' (890-8292-6), B - 41 - 2' (890-8292-7), B - 42 - 2' (890-8292-8), B - 43 - 2' (890-8292-9), B - 44 - 2' (890-8292-10), B - 45 - 2' (890-8292-11), B - 46 - 2' (890-8292-12), SW - 16 - 0-2' (890-8292-13), SW - 17 - 0-2' (890-8292-14), B - 47 - 2' (890-8292-15), B - 48 - 2' (890-8292-16), B - 49 - 2' (890-8292-17), B - 50 - 2' (890-8292-18), B - 51 - 2' (890-8292-19), B - 52 - 2' (890-8292-20), B - 53 - 2' (890-8292-21), B - 54 - 2' (890-8292-22), B - 55 - 2' (890-8292-23), B - 56 - 2' (890-8292-24), B - 57 - 2' (890-8292-25), SW - 18 - 0-2' (890-8292-26), SW - 19 - 0-2' (890-8292-27) and SW - 20 - 0-2' (890-8292-28).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-112268 and analytical batch 880-112272 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: The laboratory control sample (LCS) associated with preparation batch 880-112271 and analytical batch 880-112159 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: SW - 18 - 0-2' (890-8292-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-112270 and analytical batch 880-112273 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.

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-112265/2-A) and (LCSD 880-112265/3-A). 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 880-112265 and analytical batch 880-112303 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.

Case Narrative

Client: Arcadis US Inc. Job ID: 890-8450-2
Project: Tomahawk WC Unit 714

Job ID: 890-8292-1 (Continued) Eurofins Carlsbad

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8341-1 Eurofins Carlsbad

Job Narrative
890-8341-1

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 6/23/2025 1:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-22-0-2 (890-8341-1), B-63-2 (890-8341-2), B-64-2 (890-8341-3), B-65-2 (890-8341-4), B-66-2 (890-8341-5), B-67-2 (890-8341-6), B-68-2 (890-8341-7), B-69-2 (890-8341-8), B-70-2 (890-8341-9), B-71-2 (890-8341-10), B-72-2 (890-8341-11), B-73-2 (890-8341-12), B-74-2 (890-8341-13) and SW-23-0-2 (890-8341-14).

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: Surrogate recovery for the following samples were outside control limits: B-72-2 (890-8341-11), (890-8341-A-8-B MS) and (890-8341-A-8-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-112819 and analytical batch 880-112856 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112833 and analytical batch 880-112855 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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8428-1 Eurofins Carlsbad

Job Narrative
890-8428-1

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 7/9/2025 4:56 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 5.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 30 - 0-2' (890-8428-1), B - 82 - 2' (890-8428-2), B - 83 - 2' (890-8428-3), B - 84 - 2' (890-8428-4), B - 85 - 2' (890-8428-5), B - 86 - 2' (890-8428-6), B - 87 - 2' (890-8428-7), B - 88 - 2' (890-8428-8), B - 89 - 2' (890-8428-9) and B - 90 - 2' (890-8428-10).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-113944 recovered above the upper control limit for o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-113944/33).

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 method blank for preparation batch 880-113941 and analytical batch 880-114088 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113940 and analytical batch 880-113954 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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8448-1 Eurofins Carlsbad

Job Narrative
890-8448-1

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 7/11/2025 4:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114075 and analytical batch 880-114092 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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8448-2 Eurofins Carlsbad

Job Narrative
890-8448-2

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 7/11/2025 4:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: B-91-2 (890-8448-1), B-95-2 (890-8448-5) and B-96-2 (890-8448-6). 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: B-100-2 (890-8448-8) and SW-33-0-2 (890-8448-14). 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.

Diesel Range Organics
Method 8015MOD_NM: The method blank for preparation batch 880-114067 and analytical batch 880-114224 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: B-93-2 (890-8448-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-114226 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-114226/32).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114068 and analytical batch 880-114226 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 method blank for preparation batch 880-114068 and analytical batch 880-114226 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8450-1 Eurofins Carlsbad

Job Narrative
890-8450-1

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 7/15/2025 4:28 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 5.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: B - 97 - 2' (890-8450-1), B - 98 - 2' (890-8450-2), B - 105 - 2' (890-8450-3), B - 106 - 2' (890-8450-4), B - 107 - 2' (890-8450-5), B - 108 - 2' (890-8450-6), B - 109 - 2' (890-8450-7), B - 110 - 2' (890-8450-8), B - 111 - 2' (890-8450-9), B - 112 - 2' (890-8450-10), B - 113 - 2' (890-8450-11), B - 114 - 2' (890-8450-12), B - 115 - 2' (890-8450-13), B - 116 - 2' (890-8450-14), B - 117 - 2' (890-8450-15) and B - 103 - 2' (890-8450-16).

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114241 and analytical batch 880-114253 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.

Case Narrative

Client: Arcadis US Inc.
Project: Tomahawk WC Unit 714

Job ID: 890-8450-2

Job ID: 890-8450-2 Eurofins Carlsbad

Job Narrative
890-8450-2

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 7/15/2025 4:28 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 5.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: B - 97 - 2' (890-8450-1), B - 98 - 2' (890-8450-2), B - 105 - 2' (890-8450-3), B - 106 - 2' (890-8450-4), B - 107 - 2' (890-8450-5), B - 108 - 2' (890-8450-6), B - 109 - 2' (890-8450-7), B - 110 - 2' (890-8450-8), B - 111 - 2' (890-8450-9), B - 112 - 2' (890-8450-10), B - 113 - 2' (890-8450-11), B - 114 - 2' (890-8450-12), B - 115 - 2' (890-8450-13), B - 116 - 2' (890-8450-14), B - 117 - 2' (890-8450-15) and B - 103 - 2' (890-8450-16).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-114247 and analytical batch 880-114245 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: (LCS 880-114247/1-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.

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

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-58-2' Lab Sample ID: 880-59525-1
Date Collected: 06/19/25 10:00 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:14	06/20/25 11:53	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/20/25 09:14	06/20/25 11:53	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/20/25 09:14	06/20/25 11:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/20/25 09:14	06/20/25 11:53	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/20/25 09:14	06/20/25 11:53	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/20/25 09:14	06/20/25 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/20/25 09:14*	*06/20/25 11:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/20/25 09:14*	*06/20/25 11:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			06/20/25 11:53	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			06/20/25 12:57	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		06/20/25 08:03	06/20/25 12:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		06/20/25 08:03	06/20/25 12:57	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		06/20/25 08:03	06/20/25 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/20/25 08:03*	*06/20/25 12:57*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/20/25 08:03*	*06/20/25 12:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.6**	**F1**	10.1	0.397	mg/Kg			06/20/25 11:22	1

Client Sample ID: SW-15-0-2' Lab Sample ID: 880-59525-2
Date Collected: 06/19/25 10:30 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:14	06/20/25 12:14	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/20/25 09:14	06/20/25 12:14	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/20/25 09:14	06/20/25 12:14	1
m-Xylene & p-Xylene	**0.00383**	**J**	0.00398	0.00227	mg/Kg		06/20/25 09:14	06/20/25 12:14	1
o-Xylene	**0.00296**		0.00199	0.00157	mg/Kg		06/20/25 09:14	06/20/25 12:14	1
Xylenes, Total	**0.00679**		0.00398	0.00227	mg/Kg		06/20/25 09:14	06/20/25 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/20/25 09:14*	*06/20/25 12:14*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/20/25 09:14*	*06/20/25 12:14*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-15-0-2' Lab Sample ID: 880-59525-2

Date Collected: 06/19/25 10:30 **Matrix: Solid**
Date Received: 06/19/25 17:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00679**		0.00398	0.00227	mg/Kg			06/20/25 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/20/25 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		06/20/25 08:03	06/20/25 13:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/20/25 08:03	06/20/25 13:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/20/25 08:03	06/20/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/20/25 08:03*	*06/20/25 13:46*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*06/20/25 08:03*	*06/20/25 13:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**172**		10.1	0.399	mg/Kg			06/20/25 11:49	1

Client Sample ID: B-59-2' Lab Sample ID: 880-59525-3

Date Collected: 06/19/25 11:10 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:14	06/20/25 12:34	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/20/25 09:14	06/20/25 12:34	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/20/25 09:14	06/20/25 12:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/20/25 09:14	06/20/25 12:34	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/20/25 09:14	06/20/25 12:34	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/20/25 09:14	06/20/25 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/20/25 09:14*	*06/20/25 12:34*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/20/25 09:14*	*06/20/25 12:34*	*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			06/20/25 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**15.6**	**J**	49.7	15.0	mg/Kg			06/20/25 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		06/20/25 08:03	06/20/25 14:02	1
Diesel Range Organics (Over C10-C28)	**15.6**	**J**	49.7	15.0	mg/Kg		06/20/25 08:03	06/20/25 14:02	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-59-2' Lab Sample ID: 880-59525-3
Date Collected: 06/19/25 11:10 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 08:03	06/20/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*06/20/25 08:03*	*06/20/25 14:02*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*06/20/25 08:03*	*06/20/25 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		10.1	0.398	mg/Kg			06/20/25 11:57	1

Client Sample ID: B-60-2' Lab Sample ID: 880-59525-4
Date Collected: 06/19/25 11:25 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:20	06/20/25 13:24	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/20/25 09:20	06/20/25 13:24	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/20/25 09:20	06/20/25 13:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/20/25 09:20	06/20/25 13:24	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/20/25 09:20	06/20/25 13:24	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/20/25 09:20	06/20/25 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/20/25 09:20*	*06/20/25 13:24*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/20/25 09:20*	*06/20/25 13:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			06/20/25 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/20/25 14:18	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	<50.1	U	50.1	14.6	mg/Kg		06/20/25 08:03	06/20/25 14:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/20/25 08:03	06/20/25 14:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/20/25 08:03	06/20/25 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*06/20/25 08:03*	*06/20/25 14:18*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/20/25 08:03*	*06/20/25 14:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.0**		10.1	0.399	mg/Kg			06/20/25 12:04	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-61-2' Lab Sample ID: 880-59525-5

Date Collected: 06/19/25 11:35 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:20	06/20/25 13:44	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/20/25 09:20	06/20/25 13:44	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/20/25 09:20	06/20/25 13:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		06/20/25 09:20	06/20/25 13:44	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		06/20/25 09:20	06/20/25 13:44	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		06/20/25 09:20	06/20/25 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/20/25 09:20*	*06/20/25 13:44*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/20/25 09:20*	*06/20/25 13:44*	*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			06/20/25 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.1	mg/Kg			06/20/25 14:34	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	14.5	mg/Kg		06/20/25 08:03	06/20/25 14:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		06/20/25 08:03	06/20/25 14:34	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		06/20/25 08:03	06/20/25 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*06/20/25 08:03*	*06/20/25 14:34*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/20/25 08:03*	*06/20/25 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		10.0	0.395	mg/Kg			06/20/25 12:11	1

Client Sample ID: B-62-2' Lab Sample ID: 880-59525-6

Date Collected: 06/19/25 11:45 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:20	06/20/25 14:04	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/20/25 09:20	06/20/25 14:04	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/20/25 09:20	06/20/25 14:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/20/25 09:20	06/20/25 14:04	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/20/25 09:20	06/20/25 14:04	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/20/25 09:20	06/20/25 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/20/25 09:20*	*06/20/25 14:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/20/25 09:20*	*06/20/25 14:04*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-62-2' Lab Sample ID: 880-59525-6
Date Collected: 06/19/25 11:45 **Matrix: Solid**
Date Received: 06/19/25 17:04

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			06/20/25 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/20/25 14:51	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		06/20/25 08:03	06/20/25 14:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/20/25 08:03	06/20/25 14:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/20/25 08:03	06/20/25 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*06/20/25 08:03*	*06/20/25 14:51*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/20/25 08:03*	*06/20/25 14:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		9.90	0.391	mg/Kg			06/20/25 12:32	1

Client Sample ID: SW-21--0-2' Lab Sample ID: 880-59525-7
Date Collected: 06/19/25 12:00 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:29	06/20/25 12:03	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/20/25 09:29	06/20/25 12:03	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/20/25 09:29	06/20/25 12:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/20/25 09:29	06/20/25 12:03	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/20/25 09:29	06/20/25 12:03	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/20/25 09:29	06/20/25 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/20/25 09:29*	*06/20/25 12:03*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/20/25 09:29*	*06/20/25 12:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			06/20/25 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	<49.8	U	49.8	15.1	mg/Kg			06/20/25 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		06/20/25 08:03	06/20/25 15:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/20/25 08:03	06/20/25 15:07	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-21--0-2' Lab Sample ID: 880-59525-7
Date Collected: 06/19/25 12:00 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 08:03	06/20/25 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/20/25 08:03*	*06/20/25 15:07*	*1*
o-Terphenyl	*113*		*70 - 130*	*06/20/25 08:03*	*06/20/25 15:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		9.98	0.394	mg/Kg			06/20/25 12:40	1

Client Sample ID: B-45-2.5' Lab Sample ID: 880-59525-8
Date Collected: 06/19/25 12:30 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:29	06/20/25 12:24	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/20/25 09:29	06/20/25 12:24	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/20/25 09:29	06/20/25 12:24	1
m-Xylene & p-Xylene	**0.00409**		0.00398	0.00227	mg/Kg		06/20/25 09:29	06/20/25 12:24	1
o-Xylene	**0.00314**		0.00199	0.00157	mg/Kg		06/20/25 09:29	06/20/25 12:24	1
Xylenes, Total	**0.00723**		0.00398	0.00227	mg/Kg		06/20/25 09:29	06/20/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/20/25 09:29*	*06/20/25 12:24*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/20/25 09:29*	*06/20/25 12:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00723**		0.00398	0.00227	mg/Kg			06/20/25 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	<50.0	U	50.0	15.1	mg/Kg			06/20/25 15:24	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	<50.0	U	50.0	14.5	mg/Kg		06/20/25 08:03	06/20/25 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/20/25 08:03	06/20/25 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/20/25 08:03	06/20/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/20/25 08:03*	*06/20/25 15:24*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/20/25 08:03*	*06/20/25 15:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**151**		10.0	0.395	mg/Kg			06/20/25 12:47	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-44-2.5' Lab Sample ID: 880-59525-9

Date Collected: 06/19/25 12:40 **Matrix: Solid**
Date Received: 06/19/25 17:04

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		06/20/25 09:29	06/20/25 12:44	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/20/25 09:29	06/20/25 12:44	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/20/25 09:29	06/20/25 12:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/20/25 09:29	06/20/25 12:44	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/20/25 09:29	06/20/25 12:44	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/20/25 09:29	06/20/25 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/20/25 09:29*	*06/20/25 12:44*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/20/25 09:29*	*06/20/25 12:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			06/20/25 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	<50.2	U	50.2	15.2	mg/Kg			06/20/25 15:40	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	<50.2	U	50.2	14.6	mg/Kg		06/20/25 08:03	06/20/25 15:40	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	15.2	mg/Kg		06/20/25 08:03	06/20/25 15:40	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	15.2	mg/Kg		06/20/25 08:03	06/20/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*06/20/25 08:03*	*06/20/25 15:40*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/20/25 08:03*	*06/20/25 15:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.7**		9.94	0.393	mg/Kg			06/20/25 12:54	1

Client Sample ID: SW-26-0-2' Lab Sample ID: 880-59967-1

Date Collected: 06/30/25 11:20 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		07/02/25 10:00	07/02/25 17:50	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/02/25 10:00	07/02/25 17:50	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/02/25 10:00	07/02/25 17:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/02/25 10:00	07/02/25 17:50	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/02/25 10:00	07/02/25 17:50	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/02/25 10:00	07/02/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/02/25 10:00*	*07/02/25 17:50*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/02/25 10:00*	*07/02/25 17:50*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-26-0-2' Lab Sample ID: 880-59967-1

Date Collected: 06/30/25 11:20 **Matrix: Solid**
Date Received: 07/02/25 09:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00228	mg/Kg			07/02/25 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.1	mg/Kg			07/02/25 18:48	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	<50.1	U	50.1	14.5	mg/Kg		07/02/25 10:14	07/02/25 18:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		07/02/25 10:14	07/02/25 18:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		07/02/25 10:14	07/02/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*07/02/25 10:14*	*07/02/25 18:48*	*1*
o-Terphenyl	*75*		*70 - 130*	*07/02/25 10:14*	*07/02/25 18:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		10.1	0.398	mg/Kg			07/02/25 16:44	1

Client Sample ID: SW-24-0-2' Lab Sample ID: 880-59967-2

Date Collected: 07/01/25 14:00 **Matrix: Solid**
Date Received: 07/02/25 09:37

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		07/02/25 10:00	07/02/25 18:10	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/02/25 10:00	07/02/25 18:10	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/02/25 10:00	07/02/25 18:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/02/25 10:00	07/02/25 18:10	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/02/25 10:00	07/02/25 18:10	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/02/25 10:00	07/02/25 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:10*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			07/02/25 18:10	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	15.2	mg/Kg			07/02/25 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.6	mg/Kg		07/02/25 10:14	07/02/25 19:37	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		07/02/25 10:14	07/02/25 19:37	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-24-0-2' Lab Sample ID: 880-59967-2
Date Collected: 07/01/25 14:00 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		07/02/25 10:14	07/02/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*07/02/25 10:14*	*07/02/25 19:37*	*1*
o-Terphenyl	*72*		*70 - 130*	*07/02/25 10:14*	*07/02/25 19:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**309**		9.96	0.393	mg/Kg			07/02/25 16:50	1

Client Sample ID: SW-25-0-2' Lab Sample ID: 880-59967-3
Date Collected: 07/01/25 14:10 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/02/25 10:00	07/02/25 18:30	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/02/25 10:00	07/02/25 18:30	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/02/25 10:00	07/02/25 18:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/02/25 10:00	07/02/25 18:30	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/02/25 10:00	07/02/25 18:30	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/02/25 10:00	07/02/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:30*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:30*	*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	0.00227	mg/Kg			07/02/25 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.3**	**J**	49.7	15.0	mg/Kg			07/02/25 19:53	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	<49.7	U	49.7	14.4	mg/Kg		07/02/25 10:14	07/02/25 19:53	1
Diesel Range Organics (Over C10-C28)	**18.3**	**J**	49.7	15.0	mg/Kg		07/02/25 10:14	07/02/25 19:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/02/25 10:14	07/02/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*07/02/25 10:14*	*07/02/25 19:53*	*1*
o-Terphenyl	*72*		*70 - 130*	*07/02/25 10:14*	*07/02/25 19:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**351**		10.0	0.395	mg/Kg			07/02/25 16:56	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-27-0-2'

Lab Sample ID: 880-59967-4
Matrix: Solid
Date Collected: 07/01/25 14:20
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:00	07/02/25 18:51	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:00	07/02/25 18:51	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:00	07/02/25 18:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:00	07/02/25 18:51	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/02/25 10:00	07/02/25 18:51	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:00	07/02/25 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:51*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:51*	*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			07/02/25 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.9**	**J**	50.0	15.1	mg/Kg			07/02/25 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/02/25 10:14	07/02/25 20:10	1
Diesel Range Organics (Over C10-C28)	**17.9**	**J**	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 20:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:10*	*1*
o-Terphenyl	*72*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.2**	**F1**	10.1	0.399	mg/Kg			07/02/25 17:01	1

Client Sample ID: B-75-0-2'

Lab Sample ID: 880-59967-5
Matrix: Solid
Date Collected: 07/01/25 12:00
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:00	07/02/25 19:11	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:00	07/02/25 19:11	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:00	07/02/25 19:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/02/25 10:00	07/02/25 19:11	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/02/25 10:00	07/02/25 19:11	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/02/25 10:00	07/02/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/02/25 10:00*	*07/02/25 19:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/02/25 10:00*	*07/02/25 19:11*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-75-0-2' Lab Sample ID: 880-59967-5

Date Collected: 07/01/25 12:00 **Matrix: Solid**
Date Received: 07/02/25 09:37

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			07/02/25 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/02/25 20:25	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	<49.8	U	49.8	14.5	mg/Kg		07/02/25 10:14	07/02/25 20:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/02/25 10:14	07/02/25 20:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/02/25 10:14	07/02/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:25*	*1*
o-Terphenyl	*73*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**277**		9.98	0.394	mg/Kg			07/02/25 17:18	1

Client Sample ID: B-76-0-2' Lab Sample ID: 880-59967-6

Date Collected: 07/01/25 12:10 **Matrix: Solid**
Date Received: 07/02/25 09:37

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		07/02/25 10:00	07/02/25 18:32	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/02/25 10:00	07/02/25 18:32	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/02/25 10:00	07/02/25 18:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/02/25 10:00	07/02/25 18:32	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/02/25 10:00	07/02/25 18:32	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/02/25 10:00	07/02/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:32*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			07/02/25 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	15.2	mg/Kg			07/02/25 20:42	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	<50.3	U	50.3	14.6	mg/Kg		07/02/25 10:14	07/02/25 20:42	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	15.2	mg/Kg		07/02/25 10:14	07/02/25 20:42	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-76-0-2' Lab Sample ID: 880-59967-6
Date Collected: 07/01/25 12:10 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	15.2	mg/Kg		07/02/25 10:14	07/02/25 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:42*	*1*
o-Terphenyl	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**289**		9.90	0.391	mg/Kg			07/02/25 17:24	1

Client Sample ID: B-77-0-2' Lab Sample ID: 880-59967-7
Date Collected: 07/01/25 12:20 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/02/25 10:00	07/02/25 18:53	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/02/25 10:00	07/02/25 18:53	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/02/25 10:00	07/02/25 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/02/25 10:00	07/02/25 18:53	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/02/25 10:00	07/02/25 18:53	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/02/25 10:00	07/02/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:53*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/02/25 10:00*	*07/02/25 18:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/02/25 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17.3**	**J**	49.9	15.1	mg/Kg			07/02/25 20:57	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	<49.9	U	49.9	14.5	mg/Kg		07/02/25 10:14	07/02/25 20:57	1
Diesel Range Organics (Over C10-C28)	**17.3**	**J**	49.9	15.1	mg/Kg		07/02/25 10:14	07/02/25 20:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/02/25 10:14	07/02/25 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:57*	*1*
o-Terphenyl	*77*		*70 - 130*	*07/02/25 10:14*	*07/02/25 20:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		10.1	0.398	mg/Kg			07/02/25 17:41	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-78-0-2' Lab Sample ID: 880-59967-8

Date Collected: 07/01/25 12:30 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:00	07/02/25 19:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:00	07/02/25 19:13	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:00	07/02/25 19:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:00	07/02/25 19:13	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/02/25 10:00	07/02/25 19:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:00	07/02/25 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/02/25 10:00*	*07/02/25 19:13*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/02/25 10:00*	*07/02/25 19:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg			07/02/25 19:13	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			07/02/25 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/02/25 10:14	07/02/25 21:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 21:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 21:14*	*1*
o-Terphenyl	*75*		*70 - 130*	*07/02/25 10:14*	*07/02/25 21:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**		9.98	0.394	mg/Kg			07/02/25 17:47	1

Client Sample ID: SW-28-0-4' Lab Sample ID: 880-59967-9

Date Collected: 07/01/25 12:40 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:00	07/02/25 19:34	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:00	07/02/25 19:34	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:00	07/02/25 19:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/02/25 10:00	07/02/25 19:34	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/02/25 10:00	07/02/25 19:34	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/02/25 10:00	07/02/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/02/25 10:00*	*07/02/25 19:34*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/02/25 10:00*	*07/02/25 19:34*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-28-0-4'

Lab Sample ID: 880-59967-9
Matrix: Solid
Date Collected: 07/01/25 12:40
Date Received: 07/02/25 09:37

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			07/02/25 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.5**	**J**	49.7	15.0	mg/Kg			07/02/25 21:29	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	<49.7	U	49.7	14.4	mg/Kg		07/02/25 10:14	07/02/25 21:29	1
Diesel Range Organics (Over C10-C28)	**18.5**	**J**	49.7	15.0	mg/Kg		07/02/25 10:14	07/02/25 21:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/02/25 10:14	07/02/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 21:29*	*1*
o-Terphenyl	*75*		*70 - 130*	*07/02/25 10:14*	*07/02/25 21:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		10.0	0.396	mg/Kg			07/02/25 17:52	1

Client Sample ID: SW-29-0-4'

Lab Sample ID: 880-59967-10
Matrix: Solid
Date Collected: 07/01/25 12:50
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:04	07/02/25 14:11	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:04	07/02/25 14:11	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:04	07/02/25 14:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:04	07/02/25 14:11	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/02/25 10:04	07/02/25 14:11	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:04	07/02/25 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/02/25 10:04*	*07/02/25 14:11*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*07/02/25 10:04*	*07/02/25 14:11*	*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			07/02/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.1	mg/Kg			07/02/25 21:45	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	<50.1	U	50.1	14.5	mg/Kg		07/02/25 10:14	07/02/25 21:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		07/02/25 10:14	07/02/25 21:45	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-29-0-4' Lab Sample ID: 880-59967-10

Date Collected: 07/01/25 12:50 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		07/02/25 10:14	07/02/25 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*07/02/25 10:14*	*07/02/25 21:45*	*1*
o-Terphenyl	*71*		*70 - 130*	*07/02/25 10:14*	*07/02/25 21:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.2**		9.96	0.393	mg/Kg			07/02/25 17:58	1

Client Sample ID: B-80-4' Lab Sample ID: 880-59967-11

Date Collected: 07/01/25 13:00 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:04	07/02/25 14:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:04	07/02/25 14:32	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:04	07/02/25 14:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/02/25 10:04	07/02/25 14:32	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/02/25 10:04	07/02/25 14:32	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/02/25 10:04	07/02/25 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/02/25 10:04*	*07/02/25 14:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/02/25 10:04*	*07/02/25 14:32*	*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			07/02/25 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	15.0	mg/Kg			07/02/25 22:16	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	<49.6	U	49.6	14.4	mg/Kg		07/02/25 10:14	07/02/25 22:16	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	15.0	mg/Kg		07/02/25 10:14	07/02/25 22:16	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	15.0	mg/Kg		07/02/25 10:14	07/02/25 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 22:16*	*1*
o-Terphenyl	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 22:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.0**		10.0	0.397	mg/Kg			07/02/25 18:04	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-81-4' Lab Sample ID: 880-59967-12

Date Collected: 07/01/25 13:10 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:04	07/02/25 14:52	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:04	07/02/25 14:52	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:04	07/02/25 14:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/02/25 10:04	07/02/25 14:52	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/02/25 10:04	07/02/25 14:52	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/02/25 10:04	07/02/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*07/02/25 10:04*	*07/02/25 14:52*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/02/25 10:04*	*07/02/25 14:52*	*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			07/02/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/02/25 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/02/25 10:14	07/02/25 22:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 22:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*07/02/25 10:14*	*07/02/25 22:31*	*1*
o-Terphenyl	*73*		*70 - 130*	*07/02/25 10:14*	*07/02/25 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		9.96	0.393	mg/Kg			07/02/25 18:09	1

Client Sample ID: B-79-2' Lab Sample ID: 880-59967-13

Date Collected: 07/01/25 13:20 **Matrix: Solid**
Date Received: 07/02/25 09:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		07/02/25 10:04	07/02/25 15:13	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/02/25 10:04	07/02/25 15:13	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/02/25 10:04	07/02/25 15:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/02/25 10:04	07/02/25 15:13	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/02/25 10:04	07/02/25 15:13	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/02/25 10:04	07/02/25 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/02/25 10:04*	*07/02/25 15:13*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/02/25 10:04*	*07/02/25 15:13*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-79-2'

Date Collected: 07/01/25 13:20
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-13
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			07/02/25 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/02/25 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	<49.7	U	49.7	14.4	mg/Kg		07/02/25 10:14	07/02/25 22:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/02/25 10:14	07/02/25 22:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/02/25 10:14	07/02/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*07/02/25 10:14*	*07/02/25 22:46*	*1*
o-Terphenyl	*75*		*70 - 130*	*07/02/25 10:14*	*07/02/25 22:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**456**		10.0	0.397	mg/Kg			07/02/25 18:15	1

Client Sample ID: SW-1-0-4

Date Collected: 05/29/25 13:00
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-1
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		06/02/25 08:18	06/02/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 11:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/02/25 08:18	06/02/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 11:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/02/25 08:18	06/02/25 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/02/25 08:18*	*06/02/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/02/25 08:18*	*06/02/25 11:28*	*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			06/02/25 11:28	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			06/02/25 20:07	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	<50.3	U	50.3		mg/Kg		05/30/25 15:19	06/02/25 20:07	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/30/25 15:19	06/02/25 20:07	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-1-0-4 — Lab Sample ID: 890-8256-1

Date Collected: 05/29/25 13:00 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		05/30/25 15:19	06/02/25 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:07*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**175**	**F1**	9.96		mg/Kg			06/02/25 11:00	1

Client Sample ID: SW-2-0-4 — Lab Sample ID: 890-8256-2

Date Collected: 05/29/25 13:10 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:18	06/02/25 11:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 11:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 11:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/02/25 08:18	06/02/25 11:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 11:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/02/25 08:18	06/02/25 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/02/25 08:18*	*06/02/25 11:48*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/02/25 08:18*	*06/02/25 11:48*	*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			06/02/25 11:48	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			06/02/25 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/30/25 15:19	06/02/25 20:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/30/25 15:19	06/02/25 20:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/30/25 15:19	06/02/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:22*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		9.96		mg/Kg			06/02/25 11:22	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-3-0-4 — Lab Sample ID: 890-8256-3

Date Collected: 05/29/25 13:20 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:18	06/02/25 12:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/02/25 08:18	06/02/25 12:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/02/25 08:18	06/02/25 12:09	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/02/25 08:18	06/02/25 12:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/02/25 08:18	06/02/25 12:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/02/25 08:18	06/02/25 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/02/25 08:18*	*06/02/25 12:09*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/02/25 08:18*	*06/02/25 12:09*	*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			06/02/25 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/02/25 20:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/30/25 15:19	06/02/25 20:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/30/25 15:19	06/02/25 20:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/30/25 15:19	06/02/25 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:39*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		9.96		mg/Kg			06/02/25 11:29	1

Client Sample ID: SW-4-0-4 — Lab Sample ID: 890-8256-4

Date Collected: 05/29/25 13:30 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:18	06/02/25 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:18	06/02/25 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:18	06/02/25 12:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/02/25 08:18	06/02/25 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:18	06/02/25 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/02/25 08:18	06/02/25 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*06/02/25 08:18*	*06/02/25 12:29*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/02/25 08:18*	*06/02/25 12:29*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-4-0-4

Date Collected: 05/29/25 13:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-4
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		mg/Kg			06/02/25 12:29	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			06/02/25 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	<49.9	U	49.9		mg/Kg		05/30/25 15:19	06/02/25 20:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/30/25 15:19	06/02/25 20:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/30/25 15:19	06/02/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:55*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/30/25 15:19*	*06/02/25 20:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		9.96		mg/Kg			06/02/25 11:37	1

Client Sample ID: SW-5-0-4

Date Collected: 05/29/25 13:40
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-5
Matrix: Solid

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		06/02/25 08:18	06/02/25 12:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 12:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 12:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/02/25 08:18	06/02/25 12:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 12:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/02/25 08:18	06/02/25 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/02/25 08:18*	*06/02/25 12:50*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/02/25 08:18*	*06/02/25 12:50*	*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			06/02/25 12:50	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			06/02/25 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/30/25 15:19	06/02/25 21:11	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/30/25 15:19	06/02/25 21:11	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-5-0-4 — Lab Sample ID: 890-8256-5

Date Collected: 05/29/25 13:40 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		05/30/25 15:19	06/02/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/30/25 15:19*	*06/02/25 21:11*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/30/25 15:19*	*06/02/25 21:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**405**		10.0		mg/Kg			06/02/25 11:44	1

Client Sample ID: SW-6-0-4 — Lab Sample ID: 890-8256-6

Date Collected: 05/29/25 13:50 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:18	06/02/25 13:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 13:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 13:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/02/25 08:18	06/02/25 13:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 13:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/02/25 08:18	06/02/25 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/02/25 08:18*	*06/02/25 13:10*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/02/25 08:18*	*06/02/25 13:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/02/25 13:10	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			06/02/25 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/30/25 15:19	06/02/25 21:27	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/30/25 15:19	06/02/25 21:27	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/30/25 15:19	06/02/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/30/25 15:19*	*06/02/25 21:27*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/30/25 15:19*	*06/02/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.8**		9.98		mg/Kg			06/02/25 13:09	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-2-4

Date Collected: 05/29/25 14:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-7

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		mg/Kg		06/02/25 08:18	06/02/25 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:18	06/02/25 13:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:18	06/02/25 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/02/25 08:18	06/02/25 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:18	06/02/25 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/02/25 08:18	06/02/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/02/25 08:18*	*06/02/25 13:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/02/25 08:18*	*06/02/25 13:31*	*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			06/02/25 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/02/25 19:51	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	<49.8	U	49.8		mg/Kg		05/29/25 11:26	06/02/25 19:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/25 11:26	06/02/25 19:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/25 11:26	06/02/25 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*05/29/25 11:26*	*06/02/25 19:51*	*1*
o-Terphenyl	*70*		*70 - 130*	*05/29/25 11:26*	*06/02/25 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		9.94		mg/Kg			06/02/25 13:17	1

Client Sample ID: B-3-4

Date Collected: 05/29/25 14:20
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-8

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		06/02/25 08:18	06/02/25 13:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 13:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 13:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/02/25 08:18	06/02/25 13:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 13:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/02/25 08:18	06/02/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/02/25 08:18*	*06/02/25 13:51*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/02/25 08:18*	*06/02/25 13:51*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-3-4

Date Collected: 05/29/25 14:20
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-8

Matrix: Solid

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			06/02/25 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/03/25 22:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/02/25 11:00	06/03/25 22:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/02/25 11:00	06/03/25 22:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/02/25 11:00	06/03/25 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*06/02/25 11:00*	*06/03/25 22:20*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/02/25 11:00*	*06/03/25 22:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		9.92		mg/Kg			06/02/25 13:24	1

Client Sample ID: B-4-4

Date Collected: 05/29/25 14:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-9

Matrix: Solid

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		06/02/25 08:18	06/02/25 14:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 14:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 14:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/02/25 08:18	06/02/25 14:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:18	06/02/25 14:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/02/25 08:18	06/02/25 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/02/25 08:18*	*06/02/25 14:11*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/02/25 08:18*	*06/02/25 14:11*	*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			06/02/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/02/25 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/29/25 11:26	06/02/25 20:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/25 11:26	06/02/25 20:22	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-4-4 — Lab Sample ID: 890-8256-9
Date Collected: 05/29/25 14:30 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		05/29/25 11:26	06/02/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/29/25 11:26*	*06/02/25 20:22*	*1*
o-Terphenyl	*70*		*70 - 130*	*05/29/25 11:26*	*06/02/25 20:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		10.0		mg/Kg			06/02/25 13:31	1

Client Sample ID: B-5-4 — Lab Sample ID: 890-8256-10
Date Collected: 05/29/25 14:40 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:18	06/02/25 14:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 14:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 14:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/02/25 08:18	06/02/25 14:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 14:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/02/25 08:18	06/02/25 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/02/25 08:18*	*06/02/25 14:32*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/02/25 08:18*	*06/02/25 14:32*	*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			06/02/25 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/03/25 22:36	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		06/02/25 11:00	06/03/25 22:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/02/25 11:00	06/03/25 22:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/02/25 11:00	06/03/25 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/02/25 11:00*	*06/03/25 22:36*	*1*
o-Terphenyl	*82*		*70 - 130*	*06/02/25 11:00*	*06/03/25 22:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		9.94		mg/Kg			06/02/25 13:39	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-6-4

Date Collected: 05/29/25 14:50
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-11

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		06/02/25 08:18	06/02/25 15:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 15:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 15:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/02/25 08:18	06/02/25 15:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:18	06/02/25 15:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/02/25 08:18	06/02/25 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/02/25 08:18*	*06/02/25 15:55*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/02/25 08:18*	*06/02/25 15:55*	*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			06/02/25 15:55	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			06/02/25 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	<49.8	U	49.8		mg/Kg		05/29/25 11:26	06/02/25 20:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/25 11:26	06/02/25 20:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/25 11:26	06/02/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/29/25 11:26*	*06/02/25 20:55*	*1*
o-Terphenyl	*70*		*70 - 130*	*05/29/25 11:26*	*06/02/25 20:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.6**	**F1**	9.92		mg/Kg			06/02/25 13:46	1

Client Sample ID: B-8-4

Date Collected: 05/29/25 15:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-12

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		06/02/25 08:00	06/02/25 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 11:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 11:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/02/25 08:00*	*06/02/25 11:37*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/02/25 08:00*	*06/02/25 11:37*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-8-4
Lab Sample ID: 890-8256-12
Date Collected: 05/29/25 15:10 **Matrix: Solid**
Date Received: 05/30/25 16:13

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			06/02/25 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/02/25 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/29/25 11:26	06/02/25 21:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/25 11:26	06/02/25 21:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/25 11:26	06/02/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*05/29/25 11:26*	*06/02/25 21:11*	*1*
o-Terphenyl	*70*		*70 - 130*	*05/29/25 11:26*	*06/02/25 21:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**379**		9.92		mg/Kg			06/02/25 14:08	1

Client Sample ID: B-12-4
Lab Sample ID: 890-8256-13
Date Collected: 05/29/25 15:50 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:00	06/02/25 11:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:00	06/02/25 11:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:00	06/02/25 11:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/02/25 08:00	06/02/25 11:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:00	06/02/25 11:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/02/25 08:00	06/02/25 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/02/25 08:00*	*06/02/25 11:58*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/02/25 08:00*	*06/02/25 11:58*	*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		mg/Kg			06/02/25 11:58	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			06/02/25 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/29/25 11:26	06/02/25 21:27	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/29/25 11:26	06/02/25 21:27	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-12-4
Date Collected: 05/29/25 15:50
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-13
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)	<50.1	U	50.1		mg/Kg		05/29/25 11:26	06/02/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/29/25 11:26*	*06/02/25 21:27*	*1*
o-Terphenyl	*70*		*70 - 130*	*05/29/25 11:26*	*06/02/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.5**		10.0		mg/Kg			06/02/25 14:15	1

Client Sample ID: B-18-4
Date Collected: 05/30/25 08:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-14
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		06/02/25 08:00	06/02/25 12:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/02/25 08:00	06/02/25 12:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/02/25 08:00	06/02/25 12:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/02/25 08:00	06/02/25 12:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/02/25 08:00	06/02/25 12:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/02/25 08:00	06/02/25 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/02/25 08:00*	*06/02/25 12:19*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/02/25 08:00*	*06/02/25 12:19*	*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		mg/Kg			06/02/25 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/02/25 23:36	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 *1	49.9		mg/Kg		06/02/25 08:21	06/02/25 23:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		06/02/25 08:21	06/02/25 23:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/02/25 08:21	06/02/25 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*06/02/25 08:21*	*06/02/25 23:36*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/02/25 08:21*	*06/02/25 23:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**271**		9.90		mg/Kg			06/02/25 14:37	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-19-4 — Lab Sample ID: 890-8256-15

Date Collected: 05/30/25 08:40 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:00	06/02/25 12:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:00	06/02/25 12:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:00	06/02/25 12:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/02/25 08:00	06/02/25 12:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/02/25 08:00	06/02/25 12:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/02/25 08:00	06/02/25 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/02/25 08:00*	*06/02/25 12:39*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/02/25 08:00*	*06/02/25 12:39*	*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			06/02/25 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/03/25 00:26	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 *1	50.1		mg/Kg		06/02/25 08:21	06/03/25 00:26	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		06/02/25 08:21	06/03/25 00:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/02/25 08:21	06/03/25 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*06/02/25 08:21*	*06/03/25 00:26*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/02/25 08:21*	*06/03/25 00:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.0**		10.1		mg/Kg			06/02/25 14:44	1

Client Sample ID: B-20-4 — Lab Sample ID: 890-8256-16

Date Collected: 05/30/25 08:50 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:00	06/02/25 13:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 13:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 13:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/02/25 08:00	06/02/25 13:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 13:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/02/25 08:00	06/02/25 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/02/25 08:00*	*06/02/25 13:00*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/02/25 08:00*	*06/02/25 13:00*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-20-4

Date Collected: 05/30/25 08:50
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-16
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		mg/Kg			06/02/25 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/03/25 00:41	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	<49.8	U *1	49.8		mg/Kg		06/02/25 08:21	06/03/25 00:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		06/02/25 08:21	06/03/25 00:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/02/25 08:21	06/03/25 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*06/02/25 08:21*	*06/03/25 00:41*	*1*
o-Terphenyl	*71*		*70 - 130*	*06/02/25 08:21*	*06/03/25 00:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		10.0		mg/Kg			06/02/25 14:52	1

Client Sample ID: B-21-4

Date Collected: 05/30/25 09:00
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-17
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		06/02/25 08:00	06/02/25 13:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 13:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 13:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 13:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 13:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/02/25 08:00*	*06/02/25 13:20*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/02/25 08:00*	*06/02/25 13:20*	*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			06/02/25 13:20	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			06/03/25 00:58	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	<50.0	U *1	50.0		mg/Kg		06/02/25 08:21	06/03/25 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/02/25 08:21	06/03/25 00:58	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-21-4
Date Collected: 05/30/25 09:00
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-17
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		06/02/25 08:21	06/03/25 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*06/02/25 08:21*	*06/03/25 00:58*	*1*
o-Terphenyl	*70*		*70 - 130*	*06/02/25 08:21*	*06/03/25 00:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**288**		9.94		mg/Kg			06/02/25 14:59	1

Client Sample ID: B-22-4
Date Collected: 05/30/25 09:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-18
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		06/02/25 08:00	06/02/25 13:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:00	06/02/25 13:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:00	06/02/25 13:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/02/25 08:00	06/02/25 13:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/02/25 08:00	06/02/25 13:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/02/25 08:00	06/02/25 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/02/25 08:00*	*06/02/25 13:41*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/02/25 08:00*	*06/02/25 13:41*	*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			06/02/25 13:41	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			06/03/25 01:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1		mg/Kg		06/02/25 08:21	06/03/25 01:13	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		06/02/25 08:21	06/03/25 01:13	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/02/25 08:21	06/03/25 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*06/02/25 08:21*	*06/03/25 01:13*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/02/25 08:21*	*06/03/25 01:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		9.98		mg/Kg			06/02/25 15:06	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-23-4

Lab Sample ID: 890-8256-19
Matrix: Solid
Date Collected: 05/30/25 09:20
Date Received: 05/30/25 16:13

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		06/02/25 08:00	06/02/25 14:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 14:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 14:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 14:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 14:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/02/25 08:00*	*06/02/25 14:01*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/02/25 08:00*	*06/02/25 14:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/02/25 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			06/03/25 22:51	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	<50.2	U	50.2		mg/Kg		06/02/25 11:00	06/03/25 22:51	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		06/02/25 11:00	06/03/25 22:51	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		06/02/25 11:00	06/03/25 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/02/25 11:00*	*06/03/25 22:51*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/02/25 11:00*	*06/03/25 22:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.7**		10.0		mg/Kg			06/02/25 15:13	1

Client Sample ID: SW-7-0-2

Lab Sample ID: 890-8256-20
Matrix: Solid
Date Collected: 05/30/25 13:00
Date Received: 05/30/25 16:13

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		06/02/25 08:00	06/02/25 14:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 14:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 14:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/02/25 08:00	06/02/25 14:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 14:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/02/25 08:00	06/02/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/02/25 08:00*	*06/02/25 14:22*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/02/25 08:00*	*06/02/25 14:22*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-7-0-2 Lab Sample ID: 890-8256-20
Date Collected: 05/30/25 13:00 **Matrix: Solid**
Date Received: 05/30/25 16:13

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			06/02/25 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/03/25 01:46	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 *1	49.7		mg/Kg		06/02/25 08:21	06/03/25 01:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/02/25 08:21	06/03/25 01:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/02/25 08:21	06/03/25 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*06/02/25 08:21*	*06/03/25 01:46*	*1*
o-Terphenyl	*71*		*70 - 130*	*06/02/25 08:21*	*06/03/25 01:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**308**		9.96		mg/Kg			06/02/25 15:21	1

Client Sample ID: SW-9-0-2 Lab Sample ID: 890-8256-21
Date Collected: 05/30/25 13:10 **Matrix: Solid**
Date Received: 05/30/25 16:13

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		06/02/25 08:00	06/02/25 14:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 14:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 14:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/02/25 08:00	06/02/25 14:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/02/25 08:00	06/02/25 14:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/02/25 08:00	06/02/25 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/02/25 08:00*	*06/02/25 14:42*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/02/25 08:00*	*06/02/25 14:42*	*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			06/02/25 14:42	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			06/03/25 02:02	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 *1	50.0		mg/Kg		06/02/25 08:21	06/03/25 02:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/02/25 08:21	06/03/25 02:02	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-9-0-2
Date Collected: 05/30/25 13:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-21
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		06/02/25 08:21	06/03/25 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*06/02/25 08:21*	*06/03/25 02:02*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/02/25 08:21*	*06/03/25 02:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**396**		9.92		mg/Kg			06/02/25 15:22	1

Client Sample ID: SW-11-0-2
Date Collected: 05/30/25 13:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-22
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		06/02/25 08:00	06/02/25 16:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 16:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 16:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 16:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 16:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/02/25 08:00	06/02/25 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/02/25 08:00*	*06/02/25 16:17*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/02/25 08:00*	*06/02/25 16:17*	*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		mg/Kg			06/02/25 16:17	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			06/03/25 02:18	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	<49.6	U *1	49.6		mg/Kg		06/02/25 08:21	06/03/25 02:18	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		06/02/25 08:21	06/03/25 02:18	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/02/25 08:21	06/03/25 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*06/02/25 08:21*	*06/03/25 02:18*	*1*
o-Terphenyl	*71*		*70 - 130*	*06/02/25 08:21*	*06/03/25 02:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**419**		9.96		mg/Kg			06/02/25 15:29	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 10 - 0 - 2' Lab Sample ID: 890-8260-1

Date Collected: 06/02/25 09:00 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 12:36	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 10:29	06/04/25 12:36	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 10:29	06/04/25 12:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 10:29	06/04/25 12:36	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 10:29	06/04/25 12:36	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 10:29	06/04/25 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 12:36*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*06/04/25 10:29*	*06/04/25 12:36*	*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			06/04/25 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/04/25 13:38	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	<50.1	U	50.1	14.6	mg/Kg		06/04/25 08:19	06/04/25 13:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 13:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*06/04/25 08:19*	*06/04/25 13:38*	*1*
o-Terphenyl	*120*		*70 - 130*	*06/04/25 08:19*	*06/04/25 13:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.4**		10.0	0.397	mg/Kg			06/04/25 09:20	1

Client Sample ID: B - 17 - 2' Lab Sample ID: 890-8260-2

Date Collected: 06/02/25 09:10 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 12:56	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/04/25 10:29	06/04/25 12:56	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/04/25 10:29	06/04/25 12:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 10:29	06/04/25 12:56	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/04/25 10:29	06/04/25 12:56	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 10:29	06/04/25 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 12:56*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/04/25 10:29*	*06/04/25 12:56*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 17 - 2'
Date Collected: 06/02/25 09:10
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-2
Matrix: Solid

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			06/04/25 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/04/25 13:53	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	<49.8	U	49.8	14.5	mg/Kg		06/04/25 08:19	06/04/25 13:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 08:19	06/04/25 13:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 08:19	06/04/25 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*06/04/25 08:19*	*06/04/25 13:53*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 13:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		10.1	0.399	mg/Kg			06/04/25 09:41	1

Client Sample ID: B - 1 - 4'
Date Collected: 06/02/25 10:00
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-3
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	0.00141	mg/Kg		06/04/25 10:29	06/04/25 13:16	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/04/25 10:29	06/04/25 13:16	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/04/25 10:29	06/04/25 13:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/04/25 10:29	06/04/25 13:16	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/04/25 10:29	06/04/25 13:16	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/04/25 10:29	06/04/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/04/25 10:29*	*06/04/25 13:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			06/04/25 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	<49.9	U	49.9	15.1	mg/Kg			06/04/25 14:08	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	14.5	mg/Kg		06/04/25 08:19	06/04/25 14:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 14:08	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 1 - 4'
Lab Sample ID: 890-8260-3
Date Collected: 06/02/25 10:00 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 08:19	06/04/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:08*	*1*
o-Terphenyl	*125*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.2**		9.96	0.393	mg/Kg			06/04/25 09:48	1

Client Sample ID: B - 7 - 4'
Lab Sample ID: 890-8260-4
Date Collected: 06/02/25 10:10 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 13:37	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/04/25 10:29	06/04/25 13:37	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/04/25 10:29	06/04/25 13:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		06/04/25 10:29	06/04/25 13:37	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		06/04/25 10:29	06/04/25 13:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		06/04/25 10:29	06/04/25 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 13:37*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/04/25 10:29*	*06/04/25 13:37*	*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			06/04/25 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/04/25 14:23	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	<50.1	U	50.1	14.6	mg/Kg		06/04/25 08:19	06/04/25 14:23	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 14:23	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:23*	*1*
o-Terphenyl	*125*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.5**		9.92	0.392	mg/Kg			06/04/25 09:55	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 9 - 4'
Lab Sample ID: 890-8260-5
Date Collected: 06/02/25 10:20 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 13:57	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/04/25 10:29	06/04/25 13:57	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/04/25 10:29	06/04/25 13:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/04/25 10:29	06/04/25 13:57	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/04/25 10:29	06/04/25 13:57	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/04/25 10:29	06/04/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 13:57*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*06/04/25 10:29*	*06/04/25 13:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			06/04/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	15.2	mg/Kg			06/04/25 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	14.6	mg/Kg		06/04/25 08:19	06/04/25 14:39	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	15.2	mg/Kg		06/04/25 08:19	06/04/25 14:39	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	15.2	mg/Kg		06/04/25 08:19	06/04/25 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:39*	*1*
o-Terphenyl	*128*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.9**		10.1	0.398	mg/Kg			06/04/25 10:03	1

Client Sample ID: B - 10 - 4'
Lab Sample ID: 890-8260-6
Date Collected: 06/02/25 10:30 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 14:18	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 10:29	06/04/25 14:18	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 10:29	06/04/25 14:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 10:29	06/04/25 14:18	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 10:29	06/04/25 14:18	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 10:29	06/04/25 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 14:18*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/04/25 10:29*	*06/04/25 14:18*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 10 - 4'
Lab Sample ID: 890-8260-6
Date Collected: 06/02/25 10:30 **Matrix: Solid**
Date Received: 06/02/25 16:48

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			06/04/25 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.1	mg/Kg			06/04/25 14:54	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	<50.1	U	50.1	14.5	mg/Kg		06/04/25 08:19	06/04/25 14:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		06/04/25 08:19	06/04/25 14:54	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		06/04/25 08:19	06/04/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:54*	*1*
o-Terphenyl	*127*		*70 - 130*	*06/04/25 08:19*	*06/04/25 14:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.8**		9.94	0.393	mg/Kg			06/04/25 10:24	1

Client Sample ID: B - 11 - 4'
Lab Sample ID: 890-8260-7
Date Collected: 06/02/25 10:40 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 14:38	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/04/25 10:29	06/04/25 14:38	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/04/25 10:29	06/04/25 14:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/04/25 10:29	06/04/25 14:38	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/04/25 10:29	06/04/25 14:38	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/04/25 10:29	06/04/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 14:38*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/04/25 10:29*	*06/04/25 14:38*	*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			06/04/25 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	<50.0	U	50.0	15.1	mg/Kg			06/04/25 15:28	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	14.5	mg/Kg		06/04/25 08:19	06/04/25 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 08:19	06/04/25 15:28	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 11 - 4'
Lab Sample ID: 890-8260-7
Date Collected: 06/02/25 10:40 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 08:19	06/04/25 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 15:28*	*1*
o-Terphenyl	*126*		*70 - 130*	*06/04/25 08:19*	*06/04/25 15:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.4**		9.92	0.392	mg/Kg			06/04/25 10:31	1

Client Sample ID: B - 24 - 2'
Lab Sample ID: 890-8260-8
Date Collected: 06/02/25 10:50 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 14:59	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/04/25 10:29	06/04/25 14:59	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/04/25 10:29	06/04/25 14:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		06/04/25 10:29	06/04/25 14:59	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/04/25 10:29	06/04/25 14:59	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		06/04/25 10:29	06/04/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 14:59*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/04/25 10:29*	*06/04/25 14:59*	*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			06/04/25 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/04/25 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		06/04/25 08:19	06/04/25 15:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 15:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*06/04/25 08:19*	*06/04/25 15:43*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/04/25 08:19*	*06/04/25 15:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**111**		10.0	0.397	mg/Kg			06/04/25 10:38	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 25 - 2'
Date Collected: 06/02/25 11:00
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-9
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		06/04/25 10:29	06/04/25 15:19	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/04/25 10:29	06/04/25 15:19	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/04/25 10:29	06/04/25 15:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		06/04/25 10:29	06/04/25 15:19	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		06/04/25 10:29	06/04/25 15:19	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		06/04/25 10:29	06/04/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 15:19*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/04/25 10:29*	*06/04/25 15:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			06/04/25 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	<50.2	U	50.2	15.2	mg/Kg			06/04/25 15:58	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	14.6	mg/Kg		06/04/25 08:19	06/04/25 15:58	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	15.2	mg/Kg		06/04/25 08:19	06/04/25 15:58	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	15.2	mg/Kg		06/04/25 08:19	06/04/25 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*06/04/25 08:19*	*06/04/25 15:58*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 15:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**516**		9.98	0.394	mg/Kg			06/04/25 10:45	1

Client Sample ID: B - 26 - 2'
Date Collected: 06/02/25 11:10
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-10
Matrix: Solid

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		06/04/25 10:29	06/04/25 15:39	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/04/25 10:29	06/04/25 15:39	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/04/25 10:29	06/04/25 15:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00227	mg/Kg		06/04/25 10:29	06/04/25 15:39	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/04/25 10:29	06/04/25 15:39	1
Xylenes, Total	<0.00397	U	0.00397	0.00227	mg/Kg		06/04/25 10:29	06/04/25 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 15:39*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/04/25 10:29*	*06/04/25 15:39*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 26 - 2'
Lab Sample ID: 890-8260-10
Date Collected: 06/02/25 11:10 **Matrix: Solid**
Date Received: 06/02/25 16:48

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			06/04/25 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	<50.2	U	50.2	15.2	mg/Kg			06/04/25 16:12	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	<50.2	U	50.2	14.6	mg/Kg		06/04/25 08:19	06/04/25 16:12	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	15.2	mg/Kg		06/04/25 08:19	06/04/25 16:12	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	15.2	mg/Kg		06/04/25 08:19	06/04/25 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*06/04/25 08:19*	*06/04/25 16:12*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 16:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**244**		10.0	0.397	mg/Kg			06/04/25 10:52	1

Client Sample ID: B - 27 - 2'
Lab Sample ID: 890-8260-11
Date Collected: 06/02/25 11:20 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 17:53	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/04/25 10:29	06/04/25 17:53	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/04/25 10:29	06/04/25 17:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 10:29	06/04/25 17:53	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/04/25 10:29	06/04/25 17:53	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 10:29	06/04/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 17:53*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/04/25 10:29*	*06/04/25 17:53*	*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			06/04/25 17:53	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			06/04/25 17:38	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	<49.8	U	49.8	14.5	mg/Kg		06/03/25 16:08	06/04/25 17:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/03/25 16:08	06/04/25 17:38	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 27 - 2'
Lab Sample ID: 890-8260-11
Date Collected: 06/02/25 11:20 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/03/25 16:08	06/04/25 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/03/25 16:08*	*06/04/25 17:38*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/03/25 16:08*	*06/04/25 17:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.5**	**F1**	10.0	0.396	mg/Kg			06/04/25 10:59	1

Client Sample ID: B - 28 - 2'
Lab Sample ID: 890-8260-12
Date Collected: 06/02/25 11:30 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 18:14	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/04/25 10:29	06/04/25 18:14	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/04/25 10:29	06/04/25 18:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/04/25 10:29	06/04/25 18:14	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/04/25 10:29	06/04/25 18:14	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/04/25 10:29	06/04/25 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 18:14*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*06/04/25 10:29*	*06/04/25 18:14*	*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			06/04/25 18:14	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			06/04/25 17:54	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	<50.0	U	50.0	14.5	mg/Kg		06/03/25 16:08	06/04/25 17:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/03/25 16:08	06/04/25 17:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/03/25 16:08	06/04/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/03/25 16:08*	*06/04/25 17:54*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/03/25 16:08*	*06/04/25 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.9**		10.1	0.399	mg/Kg			06/04/25 11:20	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 29 - 2'
Lab Sample ID: 890-8260-13
Date Collected: 06/02/25 11:40 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 18:34	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/04/25 10:29	06/04/25 18:34	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/04/25 10:29	06/04/25 18:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/04/25 10:29	06/04/25 18:34	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/04/25 10:29	06/04/25 18:34	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/04/25 10:29	06/04/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 18:34*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*06/04/25 10:29*	*06/04/25 18:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			06/04/25 18:34	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			06/04/25 18:10	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	<49.8	U	49.8	14.5	mg/Kg		06/03/25 16:08	06/04/25 18:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/03/25 16:08	06/04/25 18:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/03/25 16:08	06/04/25 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:10*	*1*
o-Terphenyl	*114*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**		9.94	0.393	mg/Kg			06/04/25 11:27	1

Client Sample ID: B - 30 - 2'
Lab Sample ID: 890-8260-14
Date Collected: 06/02/25 11:50 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 18:54	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/04/25 10:29	06/04/25 18:54	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/04/25 10:29	06/04/25 18:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		06/04/25 10:29	06/04/25 18:54	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		06/04/25 10:29	06/04/25 18:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		06/04/25 10:29	06/04/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 18:54*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*06/04/25 10:29*	*06/04/25 18:54*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 30 - 2' Lab Sample ID: 890-8260-14

Date Collected: 06/02/25 11:50 **Matrix: Solid**
Date Received: 06/02/25 16:48

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			06/04/25 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/04/25 18:26	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		06/03/25 16:08	06/04/25 18:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/03/25 16:08	06/04/25 18:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/03/25 16:08	06/04/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:26*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.4**		9.92	0.392	mg/Kg			06/04/25 11:51	1

Client Sample ID: SW - 8 - 0-2' Lab Sample ID: 890-8260-15

Date Collected: 06/02/25 12:00 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 19:15	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/04/25 10:29	06/04/25 19:15	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/04/25 10:29	06/04/25 19:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00227	mg/Kg		06/04/25 10:29	06/04/25 19:15	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/04/25 10:29	06/04/25 19:15	1
Xylenes, Total	<0.00397	U	0.00397	0.00227	mg/Kg		06/04/25 10:29	06/04/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*174*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 19:15*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*06/04/25 10:29*	*06/04/25 19:15*	*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			06/04/25 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**34.0**	**J**	50.0	15.1	mg/Kg			06/04/25 18:43	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	**17.3**	**J B**	50.0	14.5	mg/Kg		06/03/25 16:08	06/04/25 18:43	1
Diesel Range Organics (Over C10-C28)	**16.7**	**J B**	50.0	15.1	mg/Kg		06/03/25 16:08	06/04/25 18:43	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 8 - 0-2' Lab Sample ID: 890-8260-15

Date Collected: 06/02/25 12:00 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/03/25 16:08	06/04/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:43*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**172**		9.94	0.393	mg/Kg			06/04/25 11:58	1

Client Sample ID: SW - 12 - 0-2' Lab Sample ID: 890-8260-16

Date Collected: 06/02/25 12:10 **Matrix: Solid**
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 19:35	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 10:29	06/04/25 19:35	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 10:29	06/04/25 19:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 10:29	06/04/25 19:35	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 10:29	06/04/25 19:35	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 10:29	06/04/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 19:35*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/04/25 10:29*	*06/04/25 19:35*	*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			06/04/25 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/04/25 18:58	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	<49.8	U	49.8	14.5	mg/Kg		06/03/25 16:08	06/04/25 18:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/03/25 16:08	06/04/25 18:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/03/25 16:08	06/04/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:58*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/03/25 16:08*	*06/04/25 18:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		9.92	0.392	mg/Kg			06/04/25 12:05	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW - 13 - 0-2'

Lab Sample ID: 890-8260-17
Matrix: Solid
Date Collected: 06/02/25 12:20
Date Received: 06/02/25 16:48

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		06/04/25 10:29	06/04/25 19:56	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/04/25 10:29	06/04/25 19:56	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/04/25 10:29	06/04/25 19:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 10:29	06/04/25 19:56	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/04/25 10:29	06/04/25 19:56	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 10:29	06/04/25 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 19:56*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*06/04/25 10:29*	*06/04/25 19:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00229	mg/Kg			06/04/25 19:56	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	15.0	mg/Kg			06/04/25 19:14	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	<49.6	U	49.6	14.4	mg/Kg		06/03/25 16:08	06/04/25 19:14	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	15.0	mg/Kg		06/03/25 16:08	06/04/25 19:14	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	15.0	mg/Kg		06/03/25 16:08	06/04/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*06/03/25 16:08*	*06/04/25 19:14*	*1*
o-Terphenyl	*118*		*70 - 130*	*06/03/25 16:08*	*06/04/25 19:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.2**		9.90	0.391	mg/Kg			06/04/25 12:12	1

Client Sample ID: B - 13 - 2'

Lab Sample ID: 890-8266-1
Matrix: Solid
Date Collected: 06/03/25 12:00
Date Received: 06/03/25 16:20

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		06/04/25 09:36	06/04/25 11:44	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/04/25 09:36	06/04/25 11:44	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/04/25 09:36	06/04/25 11:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		06/04/25 09:36	06/04/25 11:44	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		06/04/25 09:36	06/04/25 11:44	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		06/04/25 09:36	06/04/25 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/04/25 09:36*	*06/04/25 11:44*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/04/25 09:36*	*06/04/25 11:44*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 13 - 2'

Date Collected: 06/03/25 12:00
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**34.5**	**J**	49.9	15.1	mg/Kg			06/04/25 10:16	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	<49.9	U	49.9	14.5	mg/Kg		06/04/25 08:19	06/04/25 10:16	1
Diesel Range Organics (Over C10-C28)	**34.5**	**J**	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 10:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*06/04/25 08:19*	*06/04/25 10:16*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*06/04/25 08:19*	*06/04/25 10:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.3**	**F1**	9.92	0.392	mg/Kg			06/04/25 11:34	1

Client Sample ID: B - 14 - 2'

Date Collected: 06/03/25 12:10
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-2
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	0.00140	mg/Kg		06/04/25 09:36	06/04/25 12:05	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/04/25 09:36	06/04/25 12:05	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/04/25 09:36	06/04/25 12:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 09:36	06/04/25 12:05	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/04/25 09:36	06/04/25 12:05	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 09:36	06/04/25 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/04/25 09:36*	*06/04/25 12:05*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/04/25 09:36*	*06/04/25 12:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16.0**	**J**	50.1	15.1	mg/Kg			06/04/25 11:01	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	<50.1	U	50.1	14.5	mg/Kg		06/04/25 08:19	06/04/25 11:01	1
Diesel Range Organics (Over C10-C28)	**16.0**	**J**	50.1	15.1	mg/Kg		06/04/25 08:19	06/04/25 11:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		06/04/25 08:19	06/04/25 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 11:01*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/04/25 08:19*	*06/04/25 11:01*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 14 - 2'
Lab Sample ID: 890-8266-2
Date Collected: 06/03/25 12:10 **Matrix: Solid**
Date Received: 06/03/25 16:20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		9.90	0.391	mg/Kg			06/04/25 10:36	1

Client Sample ID: B - 15 - 2'
Lab Sample ID: 890-8266-3
Date Collected: 06/03/25 12:20 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:36	06/04/25 12:25	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/04/25 09:36	06/04/25 12:25	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		06/04/25 09:36	06/04/25 12:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		06/04/25 09:36	06/04/25 12:25	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/04/25 09:36	06/04/25 12:25	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		06/04/25 09:36	06/04/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/04/25 09:36*	*06/04/25 12:25*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/04/25 09:36*	*06/04/25 12:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/04/25 11:16	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	<49.8	U	49.8	14.5	mg/Kg		06/04/25 08:19	06/04/25 11:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 08:19	06/04/25 11:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 08:19	06/04/25 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*06/04/25 08:19*	*06/04/25 11:16*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*06/04/25 08:19*	*06/04/25 11:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		9.94	0.393	mg/Kg			06/04/25 10:43	1

Client Sample ID: B - 16 - 2'
Lab Sample ID: 890-8266-4
Date Collected: 06/03/25 12:30 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:36	06/04/25 12:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 09:36	06/04/25 12:45	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 09:36	06/04/25 12:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 09:36	06/04/25 12:45	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 09:36	06/04/25 12:45	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 09:36	06/04/25 12:45	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 16 - 2'
Lab Sample ID: 890-8266-4
Date Collected: 06/03/25 12:30 **Matrix: Solid**
Date Received: 06/03/25 16:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/04/25 09:36*	*06/04/25 12:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/04/25 09:36*	*06/04/25 12:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/04/25 11:30	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		06/04/25 08:19	06/04/25 11:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 08:19	06/04/25 11:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 08:19	06/04/25 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 11:30*	*1*
o-Terphenyl	*126*		*70 - 130*	*06/04/25 08:19*	*06/04/25 11:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.6**		9.92	0.392	mg/Kg			06/04/25 10:50	1

Client Sample ID: B - 31 - 2'
Lab Sample ID: 890-8266-5
Date Collected: 06/03/25 12:40 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:36	06/04/25 13:06	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/04/25 09:36	06/04/25 13:06	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/04/25 09:36	06/04/25 13:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		06/04/25 09:36	06/04/25 13:06	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/04/25 09:36	06/04/25 13:06	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		06/04/25 09:36	06/04/25 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/04/25 09:36*	*06/04/25 13:06*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/04/25 09:36*	*06/04/25 13:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/04/25 11:52	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	<50.1	U	50.1	14.6	mg/Kg		06/04/25 08:19	06/04/25 11:52	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 11:52	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 11:52	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 31 - 2'
Lab Sample ID: 890-8266-5
Date Collected: 06/03/25 12:40 **Matrix: Solid**
Date Received: 06/03/25 16:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 11:52*	*1*
o-Terphenyl	*126*		*70 - 130*	*06/04/25 08:19*	*06/04/25 11:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.9**		9.96	0.393	mg/Kg			06/04/25 10:58	1

Client Sample ID: B - 32 - 2'
Lab Sample ID: 890-8266-6
Date Collected: 06/03/25 12:50 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:42	06/04/25 11:48	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/04/25 09:42	06/04/25 11:48	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/04/25 09:42	06/04/25 11:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		06/04/25 09:42	06/04/25 11:48	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		06/04/25 09:42	06/04/25 11:48	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		06/04/25 09:42	06/04/25 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*06/04/25 09:42*	*06/04/25 11:48*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/04/25 09:42*	*06/04/25 11:48*	*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			06/04/25 12:06	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		06/04/25 08:19	06/04/25 12:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 12:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*125*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:06*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.3**		9.92	0.392	mg/Kg			06/04/25 11:20	1

Client Sample ID: B - 33 - 2'
Lab Sample ID: 890-8266-7
Date Collected: 06/03/25 13:00 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:42	06/04/25 12:09	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/04/25 09:42	06/04/25 12:09	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/04/25 09:42	06/04/25 12:09	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 33 - 2'
Lab Sample ID: 890-8266-7
Date Collected: 06/03/25 13:00 **Matrix: Solid**
Date Received: 06/03/25 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 09:42	06/04/25 12:09	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/04/25 09:42	06/04/25 12:09	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/04/25 09:42	06/04/25 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/04/25 09:42*	*06/04/25 12:09*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/04/25 09:42*	*06/04/25 12:09*	*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	15.1	mg/Kg			06/04/25 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		06/04/25 08:19	06/04/25 12:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 08:19	06/04/25 12:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 08:19	06/04/25 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:22*	*1*
o-Terphenyl	*127*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		10.1	0.399	mg/Kg			06/04/25 11:27	1

Client Sample ID: B - 34 - 2'
Lab Sample ID: 890-8266-8
Date Collected: 06/03/25 13:10 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:42	06/04/25 12:29	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/04/25 09:42	06/04/25 12:29	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		06/04/25 09:42	06/04/25 12:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		06/04/25 09:42	06/04/25 12:29	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/04/25 09:42	06/04/25 12:29	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		06/04/25 09:42	06/04/25 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/04/25 09:42*	*06/04/25 12:29*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/04/25 09:42*	*06/04/25 12:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/04/25 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.6	mg/Kg		06/04/25 08:19	06/04/25 12:37	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 34 - 2'
Lab Sample ID: 890-8266-8
Date Collected: 06/03/25 13:10 **Matrix: Solid**
Date Received: 06/03/25 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 12:37	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/04/25 08:19	06/04/25 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:37*	*1*
o-Terphenyl	*125*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		10.0	0.396	mg/Kg			06/04/25 11:42	1

Client Sample ID: SW - 14 - 0-2'
Lab Sample ID: 890-8266-9
Date Collected: 06/03/25 13:20 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:42	06/04/25 12:50	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 09:42	06/04/25 12:50	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 09:42	06/04/25 12:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 09:42	06/04/25 12:50	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 09:42	06/04/25 12:50	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/04/25 09:42	06/04/25 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/04/25 09:42*	*06/04/25 12:50*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/04/25 09:42*	*06/04/25 12:50*	*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			06/04/25 12:52	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	<49.9	U	49.9	14.5	mg/Kg		06/04/25 08:19	06/04/25 12:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 12:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/04/25 08:19	06/04/25 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:52*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/04/25 08:19*	*06/04/25 12:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.3**		9.90	0.391	mg/Kg			06/04/25 11:49	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 15 - 0-2' Lab Sample ID: 890-8266-10

Date Collected: 06/03/25 13:30 **Matrix: Solid**
Date Received: 06/03/25 16:20

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		06/04/25 09:42	06/04/25 13:10	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/04/25 09:42	06/04/25 13:10	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/04/25 09:42	06/04/25 13:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		06/04/25 09:42	06/04/25 13:10	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/04/25 09:42	06/04/25 13:10	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		06/04/25 09:42	06/04/25 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/04/25 09:42*	*06/04/25 13:10*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/04/25 09:42*	*06/04/25 13:10*	*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			06/04/25 13:06	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		06/04/25 08:19	06/04/25 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 08:19	06/04/25 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 08:19	06/04/25 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*06/04/25 08:19*	*06/04/25 13:06*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*06/04/25 08:19*	*06/04/25 13:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**284**		9.90	0.391	mg/Kg			06/04/25 11:56	1

Client Sample ID: BACKFILL Lab Sample ID: 890-8268-1

Date Collected: 06/04/25 09:30 **Matrix: Solid**
Date Received: 06/04/25 14:46

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		06/05/25 09:08	06/05/25 11:17	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/05/25 09:08	06/05/25 11:17	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/05/25 09:08	06/05/25 11:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		06/05/25 09:08	06/05/25 11:17	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		06/05/25 09:08	06/05/25 11:17	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		06/05/25 09:08	06/05/25 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/05/25 09:08*	*06/05/25 11:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/05/25 09:08*	*06/05/25 11:17*	*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			06/05/25 10:22	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: BACKFILL — Lab Sample ID: 890-8268-1

Date Collected: 06/04/25 09:30 **Matrix: Solid**
Date Received: 06/04/25 14:46

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		06/04/25 12:24	06/05/25 10:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 12:24	06/05/25 10:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/04/25 12:24	06/05/25 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/04/25 12:24*	*06/05/25 10:22*	*1*
o-Terphenyl	*96*		*70 - 130*	*06/04/25 12:24*	*06/05/25 10:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**241**		9.96	0.393	mg/Kg			06/05/25 13:59	1

Client Sample ID: B - 35 - 2' — Lab Sample ID: 890-8292-1

Date Collected: 06/12/25 13:10 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:24	06/16/25 11:50	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/16/25 08:24	06/16/25 11:50	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/16/25 08:24	06/16/25 11:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		06/16/25 08:24	06/16/25 11:50	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		06/16/25 08:24	06/16/25 11:50	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		06/16/25 08:24	06/16/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/16/25 08:24*	*06/16/25 11:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/16/25 08:24*	*06/16/25 11:50*	*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			06/16/25 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		06/16/25 07:37	06/16/25 13:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 13:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/16/25 07:37*	*06/16/25 13:31*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/16/25 07:37*	*06/16/25 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		10.0	0.395	mg/Kg			06/15/25 19:45	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 36 - 2'
Lab Sample ID: 890-8292-2
Date Collected: 06/12/25 13:20 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:24	06/16/25 12:10	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/16/25 08:24	06/16/25 12:10	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/16/25 08:24	06/16/25 12:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/16/25 08:24	06/16/25 12:10	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/16/25 08:24	06/16/25 12:10	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/16/25 08:24	06/16/25 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/16/25 08:24*	*06/16/25 12:10*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:24*	*06/16/25 12:10*	*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			06/16/25 14:17	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		06/16/25 07:37	06/16/25 14:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 14:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*06/16/25 07:37*	*06/16/25 14:17*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 07:37*	*06/16/25 14:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.8**		10.0	0.397	mg/Kg			06/15/25 20:06	1

Client Sample ID: B - 37 - 2'
Lab Sample ID: 890-8292-3
Date Collected: 06/12/25 13:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199	0.00139	mg/Kg		06/16/25 08:24	06/16/25 12:31	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/16/25 08:24	06/16/25 12:31	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/16/25 08:24	06/16/25 12:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		06/16/25 08:24	06/16/25 12:31	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		06/16/25 08:24	06/16/25 12:31	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		06/16/25 08:24	06/16/25 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:24*	*06/16/25 12:31*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:24*	*06/16/25 12:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/16/25 14:33	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 37 - 2'
Lab Sample ID: 890-8292-3
Date Collected: 06/12/25 13:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 07:37	06/16/25 14:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 14:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/16/25 07:37*	*06/16/25 14:33*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/16/25 07:37*	*06/16/25 14:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		10.0	0.396	mg/Kg			06/15/25 20:14	1

Client Sample ID: B - 38 - 2'
Lab Sample ID: 890-8292-4
Date Collected: 06/12/25 13:40 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:24	06/16/25 12:51	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/16/25 08:24	06/16/25 12:51	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/16/25 08:24	06/16/25 12:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/16/25 08:24	06/16/25 12:51	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/16/25 08:24	06/16/25 12:51	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/16/25 08:24	06/16/25 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:24*	*06/16/25 12:51*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/16/25 08:24*	*06/16/25 12:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/16/25 14:48	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	<49.9	U	49.9	14.5	mg/Kg		06/16/25 07:37	06/16/25 14:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:37	06/16/25 14:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:37	06/16/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*06/16/25 07:37*	*06/16/25 14:48*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 07:37*	*06/16/25 14:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		10.1	0.397	mg/Kg			06/15/25 20:21	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 39 - 2'
Lab Sample ID: 890-8292-5
Date Collected: 06/12/25 13:50 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:24	06/16/25 13:12	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/16/25 08:24	06/16/25 13:12	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/16/25 08:24	06/16/25 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		06/16/25 08:24	06/16/25 13:12	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		06/16/25 08:24	06/16/25 13:12	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		06/16/25 08:24	06/16/25 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/16/25 08:24*	*06/16/25 13:12*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/16/25 08:24*	*06/16/25 13:12*	*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			06/16/25 15:04	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	<50.0	U	50.0	14.5	mg/Kg		06/16/25 07:37	06/16/25 15:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:04*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		10.1	0.397	mg/Kg			06/15/25 20:28	1

Client Sample ID: B - 40 - 2'
Lab Sample ID: 890-8292-6
Date Collected: 06/12/25 14:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:24	06/16/25 13:32	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/16/25 08:24	06/16/25 13:32	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/16/25 08:24	06/16/25 13:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/16/25 08:24	06/16/25 13:32	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/16/25 08:24	06/16/25 13:32	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/16/25 08:24	06/16/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:24*	*06/16/25 13:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:24*	*06/16/25 13:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/16/25 15:20	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 40 - 2'
Lab Sample ID: 890-8292-6
Date Collected: 06/12/25 14:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 07:37	06/16/25 15:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:20*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**573**		49.9	1.97	mg/Kg			06/15/25 20:50	5

Client Sample ID: B - 41 - 2'
Lab Sample ID: 890-8292-7
Date Collected: 06/12/25 14:10 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202	0.00140	mg/Kg		06/16/25 08:24	06/16/25 13:53	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/16/25 08:24	06/16/25 13:53	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/16/25 08:24	06/16/25 13:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		06/16/25 08:24	06/16/25 13:53	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/16/25 08:24	06/16/25 13:53	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		06/16/25 08:24	06/16/25 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/16/25 08:24*	*06/16/25 13:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:24*	*06/16/25 13:53*	*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			06/16/25 15:35	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		06/16/25 07:37	06/16/25 15:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:35*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**508**		50.4	1.99	mg/Kg			06/15/25 20:57	5

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 42 - 2'
Lab Sample ID: 890-8292-8
Date Collected: 06/12/25 14:20 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:27	06/16/25 11:54	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/16/25 08:27	06/16/25 11:54	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/16/25 08:27	06/16/25 11:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		06/16/25 08:27	06/16/25 11:54	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		06/16/25 08:27	06/16/25 11:54	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		06/16/25 08:27	06/16/25 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/16/25 08:27*	*06/16/25 11:54*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/16/25 08:27*	*06/16/25 11:54*	*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	15.1	mg/Kg			06/16/25 15:51	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	<50.1	U	50.1	14.5	mg/Kg		06/16/25 07:37	06/16/25 15:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:51	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		06/16/25 07:37	06/16/25 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:51*	*1*
o-Terphenyl	*98*		*70 - 130*	*06/16/25 07:37*	*06/16/25 15:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	422		50.2	1.98	mg/Kg			06/15/25 21:04	5

Client Sample ID: B - 43 - 2'
Lab Sample ID: 890-8292-9
Date Collected: 06/12/25 14:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:27	06/16/25 12:15	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/16/25 08:27	06/16/25 12:15	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/16/25 08:27	06/16/25 12:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/16/25 08:27	06/16/25 12:15	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/16/25 08:27	06/16/25 12:15	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/16/25 08:27	06/16/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/16/25 08:27*	*06/16/25 12:15*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:27*	*06/16/25 12:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.1	mg/Kg			06/16/25 16:07	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 43 - 2'
Lab Sample ID: 890-8292-9
Date Collected: 06/12/25 14:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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	14.5	mg/Kg		06/16/25 07:37	06/16/25 16:07	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:07	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:07*	*1*
o-Terphenyl	*97*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**448**		49.8	1.97	mg/Kg			06/15/25 21:11	5

Client Sample ID: B - 44 - 2'
Lab Sample ID: 890-8292-10
Date Collected: 06/12/25 14:40 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		06/16/25 08:27	06/16/25 12:35	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/16/25 08:27	06/16/25 12:35	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/16/25 08:27	06/16/25 12:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		06/16/25 08:27	06/16/25 12:35	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		06/16/25 08:27	06/16/25 12:35	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		06/16/25 08:27	06/16/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/16/25 08:27*	*06/16/25 12:35*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/16/25 08:27*	*06/16/25 12:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/16/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		06/16/25 07:37	06/16/25 16:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:22*	*1*
o-Terphenyl	*98*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**877**		99.2	3.92	mg/Kg			06/15/25 21:18	10

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 45 - 2'
Lab Sample ID: 890-8292-11
Date Collected: 06/12/25 14:50 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:27	06/16/25 12:56	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/16/25 08:27	06/16/25 12:56	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/16/25 08:27	06/16/25 12:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/16/25 08:27	06/16/25 12:56	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/16/25 08:27	06/16/25 12:56	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/16/25 08:27	06/16/25 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/16/25 08:27*	*06/16/25 12:56*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/16/25 08:27*	*06/16/25 12:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/16/25 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	<49.9	U	49.9	14.5	mg/Kg		06/16/25 07:37	06/16/25 16:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:38*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**651**		49.5	1.96	mg/Kg			06/15/25 21:25	5

Client Sample ID: B - 46 - 2'
Lab Sample ID: 890-8292-12
Date Collected: 06/12/25 15:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:27	06/16/25 13:16	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/16/25 08:27	06/16/25 13:16	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/16/25 08:27	06/16/25 13:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		06/16/25 08:27	06/16/25 13:16	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		06/16/25 08:27	06/16/25 13:16	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		06/16/25 08:27	06/16/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/16/25 08:27*	*06/16/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:27*	*06/16/25 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	<49.8	U	49.8	15.1	mg/Kg			06/16/25 16:53	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 46 - 2' Lab Sample ID: 890-8292-12

Date Collected: 06/12/25 15:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 07:37	06/16/25 16:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:37	06/16/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:53*	*1*
o-Terphenyl	*97*		*70 - 130*	*06/16/25 07:37*	*06/16/25 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.3**		10.1	0.397	mg/Kg			06/15/25 21:47	1

Client Sample ID: SW - 16 - 0-2' Lab Sample ID: 890-8292-13

Date Collected: 06/12/25 15:20 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:27	06/16/25 13:37	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/16/25 08:27	06/16/25 13:37	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/16/25 08:27	06/16/25 13:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/16/25 08:27	06/16/25 13:37	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/16/25 08:27	06/16/25 13:37	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/16/25 08:27	06/16/25 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/16/25 08:27*	*06/16/25 13:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:27*	*06/16/25 13:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/16/25 17:08	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	14.5	mg/Kg		06/16/25 07:37	06/16/25 17:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:37	06/16/25 17:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:37	06/16/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/16/25 07:37*	*06/16/25 17:08*	*1*
o-Terphenyl	*98*		*70 - 130*	*06/16/25 07:37*	*06/16/25 17:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		10.0	0.397	mg/Kg			06/15/25 21:54	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 17 - 0-2' Lab Sample ID: 890-8292-14

Date Collected: 06/12/25 15:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00140	mg/Kg		06/16/25 08:27	06/16/25 13:57	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/16/25 08:27	06/16/25 13:57	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/16/25 08:27	06/16/25 13:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		06/16/25 08:27	06/16/25 13:57	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/16/25 08:27	06/16/25 13:57	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		06/16/25 08:27	06/16/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/16/25 08:27*	*06/16/25 13:57*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:27*	*06/16/25 13:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/16/25 17:24	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	<50.0	U	50.0	14.5	mg/Kg		06/16/25 07:37	06/16/25 17:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 17:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:37	06/16/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/16/25 07:37*	*06/16/25 17:24*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/16/25 07:37*	*06/16/25 17:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		10.1	0.399	mg/Kg			06/15/25 22:16	1

Client Sample ID: B - 47 - 2' Lab Sample ID: 890-8292-15

Date Collected: 06/13/25 12:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:28	06/16/25 11:55	1
Toluene	<0.00200	U *-	0.00200	0.00200	mg/Kg		06/16/25 08:28	06/16/25 11:55	1
Ethylbenzene	<0.00200	U *-	0.00200	0.00109	mg/Kg		06/16/25 08:28	06/16/25 11:55	1
m-Xylene & p-Xylene	<0.00401	U *-	0.00401	0.00229	mg/Kg		06/16/25 08:28	06/16/25 11:55	1
o-Xylene	<0.00200	U *-	0.00200	0.00159	mg/Kg		06/16/25 08:28	06/16/25 11:55	1
Xylenes, Total	<0.00401	U *-	0.00401	0.00229	mg/Kg		06/16/25 08:28	06/16/25 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/16/25 08:28*	*06/16/25 11:55*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:28*	*06/16/25 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	15.1	mg/Kg			06/16/25 13:31	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 47 - 2'
Lab Sample ID: 890-8292-15
Date Collected: 06/13/25 12:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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 F1	49.9	14.5	mg/Kg		06/16/25 07:39	06/16/25 13:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 13:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/16/25 07:39*	*06/16/25 13:31*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 07:39*	*06/16/25 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.3**		10.0	0.396	mg/Kg			06/15/25 22:23	1

Client Sample ID: B - 48 - 2'
Lab Sample ID: 890-8292-16
Date Collected: 06/13/25 12:10 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:28	06/16/25 12:15	1
Toluene	<0.00201	U *-	0.00201	0.00201	mg/Kg		06/16/25 08:28	06/16/25 12:15	1
Ethylbenzene	<0.00201	U *-	0.00201	0.00109	mg/Kg		06/16/25 08:28	06/16/25 12:15	1
m-Xylene & p-Xylene	<0.00402	U *-	0.00402	0.00229	mg/Kg		06/16/25 08:28	06/16/25 12:15	1
o-Xylene	<0.00201	U *-	0.00201	0.00159	mg/Kg		06/16/25 08:28	06/16/25 12:15	1
Xylenes, Total	<0.00402	U *-	0.00402	0.00229	mg/Kg		06/16/25 08:28	06/16/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/16/25 08:28*	*06/16/25 12:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/16/25 08:28*	*06/16/25 12:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/16/25 14:17	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		06/16/25 07:39	06/16/25 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 14:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/16/25 07:39*	*06/16/25 14:17*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/16/25 07:39*	*06/16/25 14:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**111**		9.98	0.394	mg/Kg			06/15/25 22:30	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 49 - 2'
Lab Sample ID: 890-8292-17
Date Collected: 06/13/25 12:20 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199	0.00139	mg/Kg		06/16/25 08:28	06/16/25 12:35	1
Toluene	<0.00199	U *-	0.00199	0.00199	mg/Kg		06/16/25 08:28	06/16/25 12:35	1
Ethylbenzene	<0.00199	U *-	0.00199	0.00108	mg/Kg		06/16/25 08:28	06/16/25 12:35	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398	0.00228	mg/Kg		06/16/25 08:28	06/16/25 12:35	1
o-Xylene	<0.00199	U *-	0.00199	0.00158	mg/Kg		06/16/25 08:28	06/16/25 12:35	1
Xylenes, Total	<0.00398	U *-	0.00398	0.00228	mg/Kg		06/16/25 08:28	06/16/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/16/25 08:28*	*06/16/25 12:35*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:28*	*06/16/25 12:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/16/25 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		06/16/25 07:39	06/16/25 14:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 14:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/16/25 07:39*	*06/16/25 14:33*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/16/25 07:39*	*06/16/25 14:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.7**		9.96	0.393	mg/Kg			06/15/25 22:37	1

Client Sample ID: B - 50 - 2'
Lab Sample ID: 890-8292-18
Date Collected: 06/13/25 12:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:28	06/16/25 12:56	1
Toluene	<0.00198	U *-	0.00198	0.00198	mg/Kg		06/16/25 08:28	06/16/25 12:56	1
Ethylbenzene	<0.00198	U *-	0.00198	0.00108	mg/Kg		06/16/25 08:28	06/16/25 12:56	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396	0.00226	mg/Kg		06/16/25 08:28	06/16/25 12:56	1
o-Xylene	<0.00198	U *-	0.00198	0.00157	mg/Kg		06/16/25 08:28	06/16/25 12:56	1
Xylenes, Total	<0.00396	U *-	0.00396	0.00226	mg/Kg		06/16/25 08:28	06/16/25 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:28*	*06/16/25 12:56*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:28*	*06/16/25 12:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/16/25 14:48	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 50 - 2'
Lab Sample ID: 890-8292-18
Date Collected: 06/13/25 12:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 07:39	06/16/25 14:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 14:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/16/25 07:39*	*06/16/25 14:48*	*1*
o-Terphenyl	*107*		*70 - 130*	*06/16/25 07:39*	*06/16/25 14:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		10.1	0.398	mg/Kg			06/15/25 22:44	1

Client Sample ID: B - 51 - 2'
Lab Sample ID: 890-8292-19
Date Collected: 06/13/25 12:40 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:28	06/16/25 13:16	1
Toluene	<0.00199	U *-	0.00199	0.00199	mg/Kg		06/16/25 08:28	06/16/25 13:16	1
Ethylbenzene	<0.00199	U *-	0.00199	0.00108	mg/Kg		06/16/25 08:28	06/16/25 13:16	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398	0.00227	mg/Kg		06/16/25 08:28	06/16/25 13:16	1
o-Xylene	<0.00199	U *-	0.00199	0.00157	mg/Kg		06/16/25 08:28	06/16/25 13:16	1
Xylenes, Total	<0.00398	U *-	0.00398	0.00227	mg/Kg		06/16/25 08:28	06/16/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/16/25 08:28*	*06/16/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/16/25 08:28*	*06/16/25 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	<49.9	U	49.9	15.1	mg/Kg			06/16/25 15:04	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	<49.9	U	49.9	14.5	mg/Kg		06/16/25 07:39	06/16/25 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:04*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		10.0	0.396	mg/Kg			06/15/25 22:52	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 52 - 2'
Lab Sample ID: 890-8292-20
Date Collected: 06/13/25 12:50 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:28	06/16/25 13:37	1
Toluene	<0.00202	U *-	0.00202	0.00202	mg/Kg		06/16/25 08:28	06/16/25 13:37	1
Ethylbenzene	<0.00202	U *-	0.00202	0.00110	mg/Kg		06/16/25 08:28	06/16/25 13:37	1
m-Xylene & p-Xylene	<0.00404	U *-	0.00404	0.00231	mg/Kg		06/16/25 08:28	06/16/25 13:37	1
o-Xylene	<0.00202	U *-	0.00202	0.00160	mg/Kg		06/16/25 08:28	06/16/25 13:37	1
Xylenes, Total	<0.00404	U *-	0.00404	0.00231	mg/Kg		06/16/25 08:28	06/16/25 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:28*	*06/16/25 13:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:28*	*06/16/25 13:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/16/25 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		06/16/25 07:39	06/16/25 15:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:20*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.8**		9.98	0.394	mg/Kg			06/15/25 22:59	1

Client Sample ID: B - 53 - 2'
Lab Sample ID: 890-8292-21
Date Collected: 06/13/25 13:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202	0.00140	mg/Kg		06/16/25 08:28	06/16/25 13:57	1
Toluene	<0.00202	U *-	0.00202	0.00202	mg/Kg		06/16/25 08:28	06/16/25 13:57	1
Ethylbenzene	<0.00202	U *-	0.00202	0.00110	mg/Kg		06/16/25 08:28	06/16/25 13:57	1
m-Xylene & p-Xylene	<0.00403	U *-	0.00403	0.00230	mg/Kg		06/16/25 08:28	06/16/25 13:57	1
o-Xylene	<0.00202	U *-	0.00202	0.00160	mg/Kg		06/16/25 08:28	06/16/25 13:57	1
Xylenes, Total	<0.00403	U *-	0.00403	0.00230	mg/Kg		06/16/25 08:28	06/16/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/16/25 08:28*	*06/16/25 13:57*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/16/25 08:28*	*06/16/25 13:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/16/25 15:35	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 53 - 2'
Lab Sample ID: 890-8292-21
Date Collected: 06/13/25 13:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 07:39	06/16/25 15:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:35*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.4**		9.92	0.392	mg/Kg			06/16/25 09:10	1

Client Sample ID: B - 54 - 2'
Lab Sample ID: 890-8292-22
Date Collected: 06/13/25 13:10 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:30	06/16/25 12:02	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/16/25 08:30	06/16/25 12:02	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/16/25 08:30	06/16/25 12:02	1
m-Xylene & p-Xylene	<0.00401	U *-	0.00401	0.00229	mg/Kg		06/16/25 08:30	06/16/25 12:02	1
o-Xylene	<0.00200	U *-	0.00200	0.00159	mg/Kg		06/16/25 08:30	06/16/25 12:02	1
Xylenes, Total	<0.00401	U *-	0.00401	0.00229	mg/Kg		06/16/25 08:30	06/16/25 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/16/25 08:30*	*06/16/25 12:02*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/16/25 08:30*	*06/16/25 12:02*	*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			06/16/25 15:51	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	<49.8	U	49.8	14.5	mg/Kg		06/16/25 07:39	06/16/25 15:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:51*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/16/25 07:39*	*06/16/25 15:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.78**	**J**	9.98	0.394	mg/Kg			06/16/25 09:32	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 55 - 2'
Lab Sample ID: 890-8292-23
Date Collected: 06/13/25 13:20 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:30	06/16/25 12:22	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/16/25 08:30	06/16/25 12:22	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/16/25 08:30	06/16/25 12:22	1
m-Xylene & p-Xylene	<0.00402	U *-	0.00402	0.00229	mg/Kg		06/16/25 08:30	06/16/25 12:22	1
o-Xylene	<0.00201	U *-	0.00201	0.00159	mg/Kg		06/16/25 08:30	06/16/25 12:22	1
Xylenes, Total	<0.00402	U *-	0.00402	0.00229	mg/Kg		06/16/25 08:30	06/16/25 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:30*	*06/16/25 12:22*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*06/16/25 08:30*	*06/16/25 12:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			06/16/25 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	<49.7	U	49.7	14.4	mg/Kg		06/16/25 07:39	06/16/25 16:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		06/16/25 07:39	06/16/25 16:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		06/16/25 07:39	06/16/25 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:07*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		9.94	0.393	mg/Kg			06/16/25 09:39	1

Client Sample ID: B - 56 - 2'
Lab Sample ID: 890-8292-24
Date Collected: 06/13/25 13:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		06/16/25 08:30	06/16/25 12:43	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/16/25 08:30	06/16/25 12:43	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/16/25 08:30	06/16/25 12:43	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398	0.00228	mg/Kg		06/16/25 08:30	06/16/25 12:43	1
o-Xylene	<0.00199	U *-	0.00199	0.00158	mg/Kg		06/16/25 08:30	06/16/25 12:43	1
Xylenes, Total	<0.00398	U *-	0.00398	0.00228	mg/Kg		06/16/25 08:30	06/16/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/16/25 08:30*	*06/16/25 12:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/16/25 08:30*	*06/16/25 12:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			06/16/25 16:22	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 56 - 2'

Lab Sample ID: 890-8292-24
Matrix: Solid
Date Collected: 06/13/25 13:30
Date Received: 06/13/25 14:46

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		06/16/25 07:39	06/16/25 16:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		06/16/25 07:39	06/16/25 16:22	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		06/16/25 07:39	06/16/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:22*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		9.94	0.393	mg/Kg			06/16/25 09:46	1

Client Sample ID: B - 57 - 2'

Lab Sample ID: 890-8292-25
Matrix: Solid
Date Collected: 06/13/25 13:40
Date Received: 06/13/25 14:46

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		06/16/25 08:30	06/16/25 13:04	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/16/25 08:30	06/16/25 13:04	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/16/25 08:30	06/16/25 13:04	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396	0.00226	mg/Kg		06/16/25 08:30	06/16/25 13:04	1
o-Xylene	<0.00198	U *-	0.00198	0.00157	mg/Kg		06/16/25 08:30	06/16/25 13:04	1
Xylenes, Total	<0.00396	U *-	0.00396	0.00226	mg/Kg		06/16/25 08:30	06/16/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/16/25 08:30*	*06/16/25 13:04*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/16/25 08:30*	*06/16/25 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	<50.0	U	50.0	15.1	mg/Kg			06/16/25 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		06/16/25 07:39	06/16/25 16:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 16:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:38*	*1*
o-Terphenyl	*107*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		10.0	0.396	mg/Kg			06/16/25 09:53	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 18 - 0-2' Lab Sample ID: 890-8292-26

Date Collected: 06/13/25 13:50 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:30	06/16/25 13:24	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/16/25 08:30	06/16/25 13:24	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/16/25 08:30	06/16/25 13:24	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398	0.00227	mg/Kg		06/16/25 08:30	06/16/25 13:24	1
o-Xylene	<0.00199	U *-	0.00199	0.00157	mg/Kg		06/16/25 08:30	06/16/25 13:24	1
Xylenes, Total	<0.00398	U *-	0.00398	0.00227	mg/Kg		06/16/25 08:30	06/16/25 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/16/25 08:30*	*06/16/25 13:24*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*06/16/25 08:30*	*06/16/25 13:24*	*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			06/16/25 16:53	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	<49.8	U	49.8	14.5	mg/Kg		06/16/25 07:39	06/16/25 16:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 16:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/16/25 07:39	06/16/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:53*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 07:39*	*06/16/25 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.0	0.397	mg/Kg			06/16/25 10:15	1

Client Sample ID: SW - 19 - 0-2' Lab Sample ID: 890-8292-27

Date Collected: 06/13/25 14:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 08:30	06/16/25 13:45	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/16/25 08:30	06/16/25 13:45	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/16/25 08:30	06/16/25 13:45	1
m-Xylene & p-Xylene	<0.00404	U *-	0.00404	0.00231	mg/Kg		06/16/25 08:30	06/16/25 13:45	1
o-Xylene	<0.00202	U *-	0.00202	0.00160	mg/Kg		06/16/25 08:30	06/16/25 13:45	1
Xylenes, Total	<0.00404	U *-	0.00404	0.00231	mg/Kg		06/16/25 08:30	06/16/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/16/25 08:30*	*06/16/25 13:45*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/16/25 08:30*	*06/16/25 13:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/16/25 17:08	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 19 - 0-2' Lab Sample ID: 890-8292-27

Date Collected: 06/13/25 14:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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		06/16/25 07:39	06/16/25 17:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 17:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/16/25 07:39	06/16/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/16/25 07:39*	*06/16/25 17:08*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 07:39*	*06/16/25 17:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		9.96	0.393	mg/Kg			06/16/25 10:22	1

Client Sample ID: SW - 20 - 0-2' Lab Sample ID: 890-8292-28

Date Collected: 06/13/25 14:10 **Matrix: Solid**
Date Received: 06/13/25 14:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00140	mg/Kg		06/16/25 08:30	06/16/25 14:05	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/16/25 08:30	06/16/25 14:05	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/16/25 08:30	06/16/25 14:05	1
m-Xylene & p-Xylene	<0.00403	U *-	0.00403	0.00230	mg/Kg		06/16/25 08:30	06/16/25 14:05	1
o-Xylene	<0.00202	U *-	0.00202	0.00160	mg/Kg		06/16/25 08:30	06/16/25 14:05	1
Xylenes, Total	<0.00403	U *-	0.00403	0.00230	mg/Kg		06/16/25 08:30	06/16/25 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:30*	*06/16/25 14:05*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/16/25 08:30*	*06/16/25 14:05*	*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			06/16/25 17:24	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	<50.0	U	50.0	14.5	mg/Kg		06/16/25 07:39	06/16/25 17:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 17:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/16/25 07:39*	*06/16/25 17:24*	*1*
o-Terphenyl	*113*		*70 - 130*	*06/16/25 07:39*	*06/16/25 17:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		9.92	0.392	mg/Kg			06/15/25 22:26	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-22-0-2

Date Collected: 06/22/25 12:00
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-1

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		06/24/25 08:13	06/24/25 11:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/24/25 08:13	06/24/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/24/25 08:13	06/24/25 11:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/24/25 08:13	06/24/25 11:42	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/24/25 08:13	06/24/25 11:42	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/24/25 08:13	06/24/25 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/24/25 08:13*	*06/24/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/24/25 08:13*	*06/24/25 11:42*	*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			06/24/25 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.5**	**J**	50.0	15.1	mg/Kg			06/24/25 09:21	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	<50.0	U	50.0	14.5	mg/Kg		06/23/25 16:11	06/24/25 09:21	1
Diesel Range Organics (Over C10-C28)	**19.5**	**J F2**	50.0	15.1	mg/Kg		06/23/25 16:11	06/24/25 09:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:11	06/24/25 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/23/25 16:11*	*06/24/25 09:21*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/23/25 16:11*	*06/24/25 09:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**375**	**F1**	10.1	0.397	mg/Kg			06/24/25 09:46	1

Client Sample ID: B-63-2

Date Collected: 06/22/25 12:10
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-2

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	0.00140	mg/Kg		06/24/25 08:13	06/24/25 12:03	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/24/25 08:13	06/24/25 12:03	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/24/25 08:13	06/24/25 12:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/24/25 08:13	06/24/25 12:03	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/24/25 08:13	06/24/25 12:03	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/24/25 08:13	06/24/25 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/24/25 08:13*	*06/24/25 12:03*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/24/25 08:13*	*06/24/25 12:03*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-63-2 — Lab Sample ID: 890-8341-2

Date Collected: 06/22/25 12:10 **Matrix: Solid**
Date Received: 06/23/25 13:52

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			06/24/25 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	<49.8	U	49.8	15.1	mg/Kg			06/24/25 10:10	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	<49.8	U	49.8	14.5	mg/Kg		06/23/25 16:11	06/24/25 10:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/23/25 16:11	06/24/25 10:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/23/25 16:11	06/24/25 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:10*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		10.1	0.397	mg/Kg			06/24/25 10:08	1

Client Sample ID: B-64-2 — Lab Sample ID: 890-8341-3

Date Collected: 06/22/25 12:20 **Matrix: Solid**
Date Received: 06/23/25 13:52

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		06/24/25 08:13	06/24/25 12:23	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/24/25 08:13	06/24/25 12:23	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/24/25 08:13	06/24/25 12:23	1
m-Xylene & p-Xylene	**0.00300**	**J**	0.00404	0.00231	mg/Kg		06/24/25 08:13	06/24/25 12:23	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/24/25 08:13	06/24/25 12:23	1
Xylenes, Total	**0.00300**	**J**	0.00404	0.00231	mg/Kg		06/24/25 08:13	06/24/25 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/24/25 08:13*	*06/24/25 12:23*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/24/25 08:13*	*06/24/25 12:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00300**	**J**	0.00404	0.00231	mg/Kg			06/24/25 12:23	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			06/24/25 10:26	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		06/23/25 16:11	06/24/25 10:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:11	06/24/25 10:26	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-64-2 — Lab Sample ID: 890-8341-3
Date Collected: 06/22/25 12:20 **Matrix: Solid**
Date Received: 06/23/25 13:52

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		06/23/25 16:11	06/24/25 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:26*	*1*
o-Terphenyl	*84*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.0**		10.0	0.397	mg/Kg			06/24/25 10:15	1

Client Sample ID: B-65-2 — Lab Sample ID: 890-8341-4
Date Collected: 06/22/25 12:30 **Matrix: Solid**
Date Received: 06/23/25 13:52

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		06/24/25 08:13	06/24/25 12:44	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/24/25 08:13	06/24/25 12:44	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/24/25 08:13	06/24/25 12:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/24/25 08:13	06/24/25 12:44	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/24/25 08:13	06/24/25 12:44	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/24/25 08:13	06/24/25 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/24/25 08:13*	*06/24/25 12:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/24/25 08:13*	*06/24/25 12:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			06/24/25 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	<49.9	U	49.9	15.1	mg/Kg			06/24/25 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		06/23/25 16:11	06/24/25 10:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:11	06/24/25 10:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:11	06/24/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:42*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.8**		10.1	0.399	mg/Kg			06/24/25 10:22	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-66-2

Date Collected: 06/22/25 12:40
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-5

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		06/24/25 08:22	06/24/25 12:35	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/24/25 08:22	06/24/25 12:35	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/24/25 08:22	06/24/25 12:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/24/25 08:22	06/24/25 12:35	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/24/25 08:22	06/24/25 12:35	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/24/25 08:22	06/24/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/24/25 08:22*	*06/24/25 12:35*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/24/25 08:22*	*06/24/25 12:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			06/24/25 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			06/24/25 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		06/23/25 16:11	06/24/25 10:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		06/23/25 16:11	06/24/25 10:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		06/23/25 16:11	06/24/25 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:58*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/23/25 16:11*	*06/24/25 10:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.5**		9.92	0.392	mg/Kg			06/24/25 10:29	1

Client Sample ID: B-67-2

Date Collected: 06/22/25 12:50
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-6

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	0.00140	mg/Kg		06/24/25 08:22	06/24/25 12:56	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/24/25 08:22	06/24/25 12:56	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/24/25 08:22	06/24/25 12:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/24/25 08:22	06/24/25 12:56	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/24/25 08:22	06/24/25 12:56	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/24/25 08:22	06/24/25 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/24/25 08:22*	*06/24/25 12:56*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/24/25 08:22*	*06/24/25 12:56*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-67-2

Date Collected: 06/22/25 12:50
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-6

Matrix: Solid

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			06/24/25 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/24/25 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		06/23/25 16:11	06/24/25 11:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:11	06/24/25 11:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:11	06/24/25 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/23/25 16:11*	*06/24/25 11:14*	*1*
o-Terphenyl	*84*		*70 - 130*	*06/23/25 16:11*	*06/24/25 11:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.7**		9.96	0.393	mg/Kg			06/24/25 10:51	1

Client Sample ID: B-68-2

Date Collected: 06/22/25 13:00
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-7

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	0.00141	mg/Kg		06/24/25 08:22	06/24/25 13:16	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/24/25 08:22	06/24/25 13:16	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/24/25 08:22	06/24/25 13:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/24/25 08:22	06/24/25 13:16	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/24/25 08:22	06/24/25 13:16	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/24/25 08:22	06/24/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/24/25 08:22*	*06/24/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*06/24/25 08:22*	*06/24/25 13:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			06/24/25 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	<49.8	U	49.8	15.1	mg/Kg			06/24/25 11:30	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	<49.8	U	49.8	14.5	mg/Kg		06/23/25 16:11	06/24/25 11:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/23/25 16:11	06/24/25 11:30	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-68-2 Lab Sample ID: 890-8341-7
Date Collected: 06/22/25 13:00 **Matrix: Solid**
Date Received: 06/23/25 13:52

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		06/23/25 16:11	06/24/25 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/23/25 16:11*	*06/24/25 11:30*	*1*
o-Terphenyl	*81*		*70 - 130*	*06/23/25 16:11*	*06/24/25 11:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		9.92	0.392	mg/Kg			06/24/25 10:58	1

Client Sample ID: B-69-2 Lab Sample ID: 890-8341-8
Date Collected: 06/23/25 10:00 **Matrix: Solid**
Date Received: 06/23/25 13:52

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00365**		0.00200	0.00139	mg/Kg		06/24/25 08:32	06/24/25 11:43	1
Toluene	**0.0287**		0.00200	0.00200	mg/Kg		06/24/25 08:32	06/24/25 11:43	1
Ethylbenzene	**0.00579**		0.00200	0.00109	mg/Kg		06/24/25 08:32	06/24/25 11:43	1
m-Xylene & p-Xylene	**0.0667**		0.00399	0.00228	mg/Kg		06/24/25 08:32	06/24/25 11:43	1
o-Xylene	**0.0210**		0.00200	0.00158	mg/Kg		06/24/25 08:32	06/24/25 11:43	1
Xylenes, Total	**0.0877**		0.00399	0.00228	mg/Kg		06/24/25 08:32	06/24/25 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*06/24/25 08:32*	*06/24/25 11:43*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/24/25 08:32*	*06/24/25 11:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.126**		0.00399	0.00228	mg/Kg			06/24/25 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	**17.5**	**J**	49.9	15.1	mg/Kg			06/24/25 09:21	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	<49.9	U	49.9	14.5	mg/Kg		06/23/25 16:12	06/24/25 09:21	1
Diesel Range Organics (Over C10-C28)	**17.5**	**J**	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 09:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*06/23/25 16:12*	*06/24/25 09:21*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/23/25 16:12*	*06/24/25 09:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.1**		9.94	0.393	mg/Kg			06/24/25 11:05	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-70-2

Date Collected: 06/23/25 11:10
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-9

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	0.00140	mg/Kg		06/24/25 08:32	06/24/25 12:03	1
Toluene	**0.00458**		0.00201	0.00201	mg/Kg		06/24/25 08:32	06/24/25 12:03	1
Ethylbenzene	**0.00149**	**J**	0.00201	0.00109	mg/Kg		06/24/25 08:32	06/24/25 12:03	1
m-Xylene & p-Xylene	**0.00986**		0.00402	0.00229	mg/Kg		06/24/25 08:32	06/24/25 12:03	1
o-Xylene	**0.00417**		0.00201	0.00159	mg/Kg		06/24/25 08:32	06/24/25 12:03	1
Xylenes, Total	**0.0140**		0.00402	0.00229	mg/Kg		06/24/25 08:32	06/24/25 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*06/24/25 08:32*	*06/24/25 12:03*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/24/25 08:32*	*06/24/25 12:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0201**		0.00402	0.00229	mg/Kg			06/24/25 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	<49.8	U	49.8	15.1	mg/Kg			06/24/25 10:10	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	<49.8	U	49.8	14.5	mg/Kg		06/23/25 16:12	06/24/25 10:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/23/25 16:12	06/24/25 10:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/23/25 16:12	06/24/25 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*06/23/25 16:12*	*06/24/25 10:10*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/23/25 16:12*	*06/24/25 10:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		9.96	0.393	mg/Kg			06/24/25 11:12	1

Client Sample ID: B-71-2

Date Collected: 06/23/25 10:20
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-10

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	0.00141	mg/Kg		06/24/25 08:32	06/24/25 12:24	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/24/25 08:32	06/24/25 12:24	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/24/25 08:32	06/24/25 12:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/24/25 08:32	06/24/25 12:24	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/24/25 08:32	06/24/25 12:24	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/24/25 08:32	06/24/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/24/25 08:32*	*06/24/25 12:24*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/24/25 08:32*	*06/24/25 12:24*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-71-2

Lab Sample ID: 890-8341-10
Matrix: Solid
Date Collected: 06/23/25 10:20
Date Received: 06/23/25 13:52

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			06/24/25 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	<49.9	U	49.9	15.1	mg/Kg			06/24/25 10:26	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		06/23/25 16:12	06/24/25 10:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 10:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*06/23/25 16:12*	*06/24/25 10:26*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/23/25 16:12*	*06/24/25 10:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		10.0	0.397	mg/Kg			06/24/25 11:20	1

Client Sample ID: B-72-2

Lab Sample ID: 890-8341-11
Matrix: Solid
Date Collected: 06/23/25 10:30
Date Received: 06/23/25 13:52

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		06/24/25 08:31	06/24/25 11:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/24/25 08:31	06/24/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/24/25 08:31	06/24/25 11:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/24/25 08:31	06/24/25 11:32	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/24/25 08:31	06/24/25 11:32	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/24/25 08:31	06/24/25 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/24/25 08:31*	*06/24/25 11:32*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/24/25 08:31*	*06/24/25 11:32*	*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			06/24/25 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/24/25 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		06/23/25 16:12	06/24/25 10:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/23/25 16:12	06/24/25 10:42	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-72-2 Lab Sample ID: 890-8341-11
Date Collected: 06/23/25 10:30 **Matrix: Solid**
Date Received: 06/23/25 13:52

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		06/23/25 16:12	06/24/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*06/23/25 16:12*	*06/24/25 10:42*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/23/25 16:12*	*06/24/25 10:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.4**		10.0	0.396	mg/Kg			06/24/25 11:27	1

Client Sample ID: B-73-2 Lab Sample ID: 890-8341-12
Date Collected: 06/23/25 10:40 **Matrix: Solid**
Date Received: 06/23/25 13:52

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00518**		0.00201	0.00140	mg/Kg		06/24/25 08:31	06/24/25 11:52	1
Toluene	**0.0406**		0.00201	0.00201	mg/Kg		06/24/25 08:31	06/24/25 11:52	1
Ethylbenzene	**0.00731**		0.00201	0.00109	mg/Kg		06/24/25 08:31	06/24/25 11:52	1
m-Xylene & p-Xylene	**0.0893**		0.00402	0.00229	mg/Kg		06/24/25 08:31	06/24/25 11:52	1
o-Xylene	**0.0283**		0.00201	0.00159	mg/Kg		06/24/25 08:31	06/24/25 11:52	1
Xylenes, Total	**0.118**		0.00402	0.00229	mg/Kg		06/24/25 08:31	06/24/25 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/24/25 08:31*	*06/24/25 11:52*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/24/25 08:31*	*06/24/25 11:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.171**		0.00402	0.00229	mg/Kg			06/24/25 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/24/25 10:58	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		06/23/25 16:12	06/24/25 10:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 10:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*06/23/25 16:12*	*06/24/25 10:58*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/23/25 16:12*	*06/24/25 10:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.7**		10.0	0.397	mg/Kg			06/24/25 11:48	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-74-2

Date Collected: 06/23/25 10:50
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-13

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	0.00141	mg/Kg		06/24/25 08:31	06/24/25 12:13	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/24/25 08:31	06/24/25 12:13	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/24/25 08:31	06/24/25 12:13	1
m-Xylene & p-Xylene	**0.00626**		0.00404	0.00231	mg/Kg		06/24/25 08:31	06/24/25 12:13	1
o-Xylene	**0.00239**		0.00202	0.00160	mg/Kg		06/24/25 08:31	06/24/25 12:13	1
Xylenes, Total	**0.00865**		0.00404	0.00231	mg/Kg		06/24/25 08:31	06/24/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/24/25 08:31*	*06/24/25 12:13*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/24/25 08:31*	*06/24/25 12:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00865**		0.00404	0.00231	mg/Kg			06/24/25 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/24/25 11:14	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	<49.9	U	49.9	14.5	mg/Kg		06/23/25 16:12	06/24/25 11:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 11:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/23/25 16:12	06/24/25 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*06/23/25 16:12*	*06/24/25 11:14*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/23/25 16:12*	*06/24/25 11:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.9**		9.94	0.393	mg/Kg			06/24/25 11:56	1

Client Sample ID: SW-23-0-2

Date Collected: 06/23/25 11:00
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-14

Matrix: Solid

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		06/24/25 08:31	06/24/25 12:33	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/24/25 08:31	06/24/25 12:33	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/24/25 08:31	06/24/25 12:33	1
m-Xylene & p-Xylene	**0.00236**	**J**	0.00396	0.00226	mg/Kg		06/24/25 08:31	06/24/25 12:33	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/24/25 08:31	06/24/25 12:33	1
Xylenes, Total	**0.00236**	**J**	0.00396	0.00226	mg/Kg		06/24/25 08:31	06/24/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/24/25 08:31*	*06/24/25 12:33*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/24/25 08:31*	*06/24/25 12:33*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-23-0-2 — Lab Sample ID: 890-8341-14

Date Collected: 06/23/25 11:00 **Matrix: Solid**
Date Received: 06/23/25 13:52

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00236	J	0.00396	0.00226	mg/Kg			06/24/25 12:33	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			06/24/25 11:30	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		06/23/25 16:12	06/24/25 11:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:12	06/24/25 11:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:12	06/24/25 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*06/23/25 16:12*	*06/24/25 11:30*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/23/25 16:12*	*06/24/25 11:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		9.92	0.392	mg/Kg			06/24/25 12:17	1

Client Sample ID: SW - 30 - 0-2' — Lab Sample ID: 890-8428-1

Date Collected: 07/09/25 10:00 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 08:12	07/11/25 17:15	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/11/25 08:12	07/11/25 17:15	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/11/25 08:12	07/11/25 17:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		07/11/25 08:12	07/11/25 17:15	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/11/25 08:12	07/11/25 17:15	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		07/11/25 08:12	07/11/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*07/11/25 08:12*	*07/11/25 17:15*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*07/11/25 08:12*	*07/11/25 17:15*	*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			07/14/25 19:35	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	<49.9	U	49.9	14.5	mg/Kg		07/11/25 07:54	07/14/25 19:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/11/25 07:54	07/14/25 19:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/11/25 07:54	07/14/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/11/25 07:54*	*07/14/25 19:35*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 30 - 0-2' Lab Sample ID: 890-8428-1
Date Collected: 07/09/25 10:00 **Matrix: Solid**
Date Received: 07/09/25 16:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:54*	*07/14/25 19:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.2**	**F1**	10.1	0.399	mg/Kg			07/11/25 10:16	1

Client Sample ID: B - 82 - 2' Lab Sample ID: 890-8428-2
Date Collected: 07/09/25 10:10 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 08:12	07/11/25 17:35	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/11/25 08:12	07/11/25 17:35	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/11/25 08:12	07/11/25 17:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/11/25 08:12	07/11/25 17:35	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/11/25 08:12	07/11/25 17:35	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/11/25 08:12	07/11/25 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*07/11/25 08:12*	*07/11/25 17:35*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/11/25 08:12*	*07/11/25 17:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/14/25 20:23	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	<49.9	U	49.9	14.5	mg/Kg		07/11/25 07:54	07/14/25 20:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/11/25 07:54	07/14/25 20:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/11/25 07:54	07/14/25 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 07:54*	*07/14/25 20:23*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/11/25 07:54*	*07/14/25 20:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.0**		10.0	0.397	mg/Kg			07/11/25 10:33	1

Client Sample ID: B - 83 - 2' Lab Sample ID: 890-8428-3
Date Collected: 07/09/25 10:20 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 08:12	07/11/25 17:56	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/11/25 08:12	07/11/25 17:56	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/11/25 08:12	07/11/25 17:56	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 83 - 2'
Date Collected: 07/09/25 10:20
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/11/25 08:12	07/11/25 17:56	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/11/25 08:12	07/11/25 17:56	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/11/25 08:12	07/11/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*07/11/25 08:12*	*07/11/25 17:56*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*07/11/25 08:12*	*07/11/25 17:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/14/25 20:40	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		07/11/25 07:54	07/14/25 20:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/11/25 07:54	07/14/25 20:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/11/25 07:54	07/14/25 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/11/25 07:54*	*07/14/25 20:40*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/11/25 07:54*	*07/14/25 20:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.1	0.397	mg/Kg			07/11/25 10:38	1

Client Sample ID: B - 84 - 2'
Date Collected: 07/09/25 10:30
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-4
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		07/11/25 08:12	07/11/25 18:16	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/11/25 08:12	07/11/25 18:16	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/11/25 08:12	07/11/25 18:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/11/25 08:12	07/11/25 18:16	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/11/25 08:12	07/11/25 18:16	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/11/25 08:12	07/11/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*07/11/25 08:12*	*07/11/25 18:16*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*07/11/25 08:12*	*07/11/25 18:16*	*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	15.1	mg/Kg			07/14/25 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	<50.0	U	50.0	14.5	mg/Kg		07/11/25 07:54	07/14/25 20:55	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 84 - 2'
Lab Sample ID: 890-8428-4
Date Collected: 07/09/25 10:30 **Matrix: Solid**
Date Received: 07/09/25 16:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 20:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/11/25 07:54*	*07/14/25 20:55*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/11/25 07:54*	*07/14/25 20:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		9.94	0.393	mg/Kg			07/11/25 10:44	1

Client Sample ID: B - 85 - 2'
Lab Sample ID: 890-8428-5
Date Collected: 07/09/25 10:40 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 08:12	07/11/25 18:37	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/11/25 08:12	07/11/25 18:37	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/11/25 08:12	07/11/25 18:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/11/25 08:12	07/11/25 18:37	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/11/25 08:12	07/11/25 18:37	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/11/25 08:12	07/11/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/11/25 08:12*	*07/11/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*07/11/25 08:12*	*07/11/25 18:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/14/25 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/11/25 07:54	07/14/25 21:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 21:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/11/25 07:54*	*07/14/25 21:11*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:54*	*07/14/25 21:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.6**		9.90	0.391	mg/Kg			07/11/25 10:50	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 86 - 2'
Lab Sample ID: 890-8428-6
Date Collected: 07/09/25 10:50 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 08:12	07/11/25 18:57	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/11/25 08:12	07/11/25 18:57	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/11/25 08:12	07/11/25 18:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/11/25 08:12	07/11/25 18:57	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/11/25 08:12	07/11/25 18:57	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/11/25 08:12	07/11/25 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*07/11/25 08:12*	*07/11/25 18:57*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*07/11/25 08:12*	*07/11/25 18:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/14/25 21:27	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	<49.7	U	49.7	14.4	mg/Kg		07/11/25 07:54	07/14/25 21:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/11/25 07:54	07/14/25 21:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/11/25 07:54	07/14/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/11/25 07:54*	*07/14/25 21:27*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:54*	*07/14/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**244**		9.96	0.393	mg/Kg			07/11/25 11:07	1

Client Sample ID: B - 87 - 2'
Lab Sample ID: 890-8428-7
Date Collected: 07/09/25 11:00 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 08:12	07/11/25 19:17	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/11/25 08:12	07/11/25 19:17	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/11/25 08:12	07/11/25 19:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/11/25 08:12	07/11/25 19:17	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/11/25 08:12	07/11/25 19:17	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/11/25 08:12	07/11/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*07/11/25 08:12*	*07/11/25 19:17*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*07/11/25 08:12*	*07/11/25 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			07/14/25 21:42	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 87 - 2'
Lab Sample ID: 890-8428-7
Date Collected: 07/09/25 11:00 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 07:54	07/14/25 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 21:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 07:54*	*07/14/25 21:42*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:54*	*07/14/25 21:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.6**		10.0	0.396	mg/Kg			07/11/25 11:13	1

Client Sample ID: B - 88 - 2'
Lab Sample ID: 890-8428-8
Date Collected: 07/09/25 11:10 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 10:30	07/12/25 01:46	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/11/25 10:30	07/12/25 01:46	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/11/25 10:30	07/12/25 01:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/11/25 10:30	07/12/25 01:46	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/11/25 10:30	07/12/25 01:46	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/11/25 10:30	07/12/25 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/11/25 10:30*	*07/12/25 01:46*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/11/25 10:30*	*07/12/25 01:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.2**	**J**	49.8	15.1	mg/Kg			07/14/25 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/11/25 07:54	07/14/25 22:00	1
Diesel Range Organics (Over C10-C28)	**21.2**	**J**	49.8	15.1	mg/Kg		07/11/25 07:54	07/14/25 22:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/11/25 07:54	07/14/25 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/11/25 07:54*	*07/14/25 22:00*	*1*
o-Terphenyl	*104*		*70 - 130*	*07/11/25 07:54*	*07/14/25 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		10.0	0.397	mg/Kg			07/11/25 11:18	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 89 - 2'

Date Collected: 07/09/25 11:20
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-9

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	0.00140	mg/Kg		07/11/25 10:30	07/12/25 02:06	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/11/25 10:30	07/12/25 02:06	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/11/25 10:30	07/12/25 02:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/11/25 10:30	07/12/25 02:06	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/11/25 10:30	07/12/25 02:06	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/11/25 10:30	07/12/25 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/11/25 10:30*	*07/12/25 02:06*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/11/25 10:30*	*07/12/25 02:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16.4**	**J**	49.9	15.1	mg/Kg			07/14/25 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/11/25 07:54	07/14/25 22:15	1
Diesel Range Organics (Over C10-C28)	**16.4**	**J**	49.9	15.1	mg/Kg		07/11/25 07:54	07/14/25 22:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/11/25 07:54	07/14/25 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 07:54*	*07/14/25 22:15*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/11/25 07:54*	*07/14/25 22:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.9**		10.0	0.397	mg/Kg			07/11/25 11:24	1

Client Sample ID: B - 90 - 2'

Date Collected: 07/09/25 11:30
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-10

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		07/11/25 10:30	07/12/25 03:40	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/11/25 10:30	07/12/25 03:40	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/11/25 10:30	07/12/25 03:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/11/25 10:30	07/12/25 03:40	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/11/25 10:30	07/12/25 03:40	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/11/25 10:30	07/12/25 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/11/25 10:30*	*07/12/25 03:40*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/11/25 10:30*	*07/12/25 03:40*	*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			07/14/25 22:31	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 90 - 2'
Lab Sample ID: 890-8428-10
Date Collected: 07/09/25 11:30 **Matrix: Solid**
Date Received: 07/09/25 16:56

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		07/11/25 07:54	07/14/25 22:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 22:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:54	07/14/25 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/11/25 07:54*	*07/14/25 22:31*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/11/25 07:54*	*07/14/25 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		10.1	0.398	mg/Kg			07/11/25 11:30	1

Client Sample ID: B-91-2
Lab Sample ID: 890-8448-1
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 12:17	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/14/25 09:06	07/14/25 12:17	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/14/25 09:06	07/14/25 12:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/14/25 09:06	07/14/25 12:17	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/14/25 09:06	07/14/25 12:17	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/14/25 09:06	07/14/25 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*07/14/25 09:06*	*07/14/25 12:17*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/14/25 09:06*	*07/14/25 12:17*	*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			07/14/25 12:17	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			07/16/25 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/14/25 08:48	07/16/25 03:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 03:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/14/25 08:48*	*07/16/25 03:00*	*1*
o-Terphenyl	*96*		*70 - 130*	*07/14/25 08:48*	*07/16/25 03:00*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-91-2 — Lab Sample ID: 890-8448-1
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		9.98	0.394	mg/Kg			07/14/25 13:41	1

Client Sample ID: B-92-2 — Lab Sample ID: 890-8448-2
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 12:37	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/14/25 09:06	07/14/25 12:37	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/14/25 09:06	07/14/25 12:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/14/25 09:06	07/14/25 12:37	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/14/25 09:06	07/14/25 12:37	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/14/25 09:06	07/14/25 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*07/14/25 09:06*	*07/14/25 12:37*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/14/25 09:06*	*07/14/25 12:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00229	mg/Kg			07/14/25 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	<50.0	U	50.0	15.1	mg/Kg			07/16/25 03:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/14/25 08:48	07/16/25 03:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/16/25 03:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/16/25 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/14/25 08:48*	*07/16/25 03:31*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/14/25 08:48*	*07/16/25 03:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		10.1	0.398	mg/Kg			07/14/25 13:07	1

Client Sample ID: B-93-2 — Lab Sample ID: 890-8448-3
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 12:58	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/14/25 09:06	07/14/25 12:58	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/14/25 09:06	07/14/25 12:58	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-93-2 — Lab Sample ID: 890-8448-3

Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 12:58	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/14/25 09:06	07/14/25 12:58	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*07/14/25 09:06*	*07/14/25 12:58*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/14/25 09:06*	*07/14/25 12:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/14/25 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	**25.0**	**J**	49.9	15.1	mg/Kg			07/16/25 09:05	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		07/14/25 08:48	07/16/25 09:05	1
Diesel Range Organics (Over C10-C28)	**25.0**	**J**	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*07/14/25 08:48*	*07/16/25 09:05*	*1*
o-Terphenyl	*191*	*S1+*	*70 - 130*	*07/14/25 08:48*	*07/16/25 09:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		10.0	0.397	mg/Kg			07/14/25 13:24	1

Client Sample ID: B-94-2 — Lab Sample ID: 890-8448-4

Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 13:18	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/14/25 09:06	07/14/25 13:18	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		07/14/25 09:06	07/14/25 13:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		07/14/25 09:06	07/14/25 13:18	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/14/25 09:06	07/14/25 13:18	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		07/14/25 09:06	07/14/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*07/14/25 09:06*	*07/14/25 13:18*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/14/25 09:06*	*07/14/25 13:18*	*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			07/14/25 13:18	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-94-2 — Lab Sample ID: 890-8448-4
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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			07/16/25 09:20	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	<49.8	U	49.8	14.5	mg/Kg		07/14/25 08:48	07/16/25 09:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/14/25 08:48*	*07/16/25 09:20*	*1*
o-Terphenyl	*87*		*70 - 130*	*07/14/25 08:48*	*07/16/25 09:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		9.98	0.394	mg/Kg			07/14/25 13:30	1

Client Sample ID: B-95-2 — Lab Sample ID: 890-8448-5
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 14:40	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/14/25 09:06	07/14/25 14:40	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/14/25 09:06	07/14/25 14:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/14/25 09:06	07/14/25 14:40	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/14/25 09:06	07/14/25 14:40	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/14/25 09:06	07/14/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*07/14/25 09:06*	*07/14/25 14:40*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/14/25 09:06*	*07/14/25 14:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			07/14/25 14:40	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			07/16/25 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/14/25 08:48	07/16/25 09:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*07/14/25 08:48*	*07/16/25 09:37*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-95-2 — Lab Sample ID: 890-8448-5
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*70 - 130*	*07/14/25 08:48*	*07/16/25 09:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		10.1	0.398	mg/Kg			07/14/25 13:35	1

Client Sample ID: B-96-2 — Lab Sample ID: 890-8448-6
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 15:00	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/14/25 09:06	07/14/25 15:00	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/14/25 09:06	07/14/25 15:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 15:00	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/14/25 09:06	07/14/25 15:00	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*07/14/25 09:06*	*07/14/25 15:00*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/14/25 09:06*	*07/14/25 15:00*	*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			07/14/25 15:00	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			07/16/25 09:54	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	<49.9	U	49.9	14.5	mg/Kg		07/14/25 08:48	07/16/25 09:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:48	07/16/25 09:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*07/14/25 08:48*	*07/16/25 09:54*	*1*
o-Terphenyl	*91*		*70 - 130*	*07/14/25 08:48*	*07/16/25 09:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		9.96	0.393	mg/Kg			07/14/25 13:47	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-99-2

Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-7

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	0.00140	mg/Kg		07/14/25 09:06	07/14/25 15:21	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/14/25 09:06	07/14/25 15:21	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		07/14/25 09:06	07/14/25 15:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		07/14/25 09:06	07/14/25 15:21	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/14/25 09:06	07/14/25 15:21	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		07/14/25 09:06	07/14/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*07/14/25 09:06*	*07/14/25 15:21*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/14/25 09:06*	*07/14/25 15:21*	*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	0.00230	mg/Kg			07/14/25 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/16/25 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/14/25 08:48	07/16/25 10:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/16/25 10:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/16/25 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*07/14/25 08:48*	*07/16/25 10:11*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/14/25 08:48*	*07/16/25 10:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**372**	**F1**	10.0	0.396	mg/Kg			07/14/25 13:52	1

Client Sample ID: B-100-2

Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-8

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		07/14/25 09:06	07/14/25 16:55	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/14/25 09:06	07/14/25 16:55	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/14/25 09:06	07/14/25 16:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 16:55	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/14/25 09:06	07/14/25 16:55	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*07/14/25 09:06*	*07/14/25 16:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/14/25 09:06*	*07/14/25 16:55*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-100-2

Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-8

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	0.00227	mg/Kg			07/14/25 16:55	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	15.1	mg/Kg			07/16/25 10:28	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	<49.8	U	49.8	14.5	mg/Kg		07/14/25 08:48	07/16/25 10:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:48	07/16/25 10:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:48	07/16/25 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/14/25 08:48*	*07/16/25 10:28*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/14/25 08:48*	*07/16/25 10:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.5**		9.96	0.393	mg/Kg			07/14/25 14:09	1

Client Sample ID: B-101-2

Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-9

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		07/14/25 09:06	07/14/25 17:15	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/14/25 09:06	07/14/25 17:15	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/14/25 09:06	07/14/25 17:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/14/25 09:06	07/14/25 17:15	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/14/25 09:06	07/14/25 17:15	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/14/25 09:06	07/14/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*07/14/25 09:06*	*07/14/25 17:15*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/14/25 09:06*	*07/14/25 17:15*	*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			07/14/25 17:15	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			07/16/25 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/14/25 08:48	07/16/25 10:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:48	07/16/25 10:44	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-101-2 — Lab Sample ID: 890-8448-9
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 08:48	07/16/25 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/14/25 08:48*	*07/16/25 10:44*	*1*
o-Terphenyl	*95*		*70 - 130*	*07/14/25 08:48*	*07/16/25 10:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		10.0	0.397	mg/Kg			07/14/25 14:15	1

Client Sample ID: B-102-2 — Lab Sample ID: 890-8448-10
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 17:35	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/14/25 09:06	07/14/25 17:35	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/14/25 09:06	07/14/25 17:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/14/25 09:06	07/14/25 17:35	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/14/25 09:06	07/14/25 17:35	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/14/25 09:06	07/14/25 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*07/14/25 09:06*	*07/14/25 17:35*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/14/25 09:06*	*07/14/25 17:35*	*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			07/14/25 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/16/25 11:01	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	<50.0	U	50.0	14.5	mg/Kg		07/14/25 08:48	07/16/25 11:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/16/25 11:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/16/25 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/14/25 08:48*	*07/16/25 11:01*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/14/25 08:48*	*07/16/25 11:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		9.94	0.393	mg/Kg			07/14/25 14:32	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-104-2

Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-11

Matrix: Solid

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		07/14/25 09:06	07/14/25 17:56	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/14/25 09:06	07/14/25 17:56	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/14/25 09:06	07/14/25 17:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/14/25 09:06	07/14/25 17:56	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/14/25 09:06	07/14/25 17:56	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/14/25 09:06	07/14/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*07/14/25 09:06*	*07/14/25 17:56*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/14/25 09:06*	*07/14/25 17:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			07/14/25 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/16/25 11:17	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		07/14/25 08:48	07/16/25 11:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:48	07/16/25 11:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:48	07/16/25 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/14/25 08:48*	*07/16/25 11:17*	*1*
o-Terphenyl	*95*		*70 - 130*	*07/14/25 08:48*	*07/16/25 11:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.2**		9.96	0.393	mg/Kg			07/14/25 14:38	1

Client Sample ID: SW-31-0-2

Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-12

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	0.00140	mg/Kg		07/14/25 09:06	07/14/25 18:16	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/14/25 09:06	07/14/25 18:16	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/14/25 09:06	07/14/25 18:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/14/25 09:06	07/14/25 18:16	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/14/25 09:06	07/14/25 18:16	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/14/25 09:06	07/14/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*07/14/25 09:06*	*07/14/25 18:16*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*07/14/25 09:06*	*07/14/25 18:16*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-31-0-2

Lab Sample ID: 890-8448-12
Matrix: Solid
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

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			07/14/25 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**15.2**	**J**	50.0	15.1	mg/Kg			07/16/25 00:01	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	<50.0	U F1	50.0	14.5	mg/Kg		07/14/25 08:51	07/16/25 00:01	1
Diesel Range Organics (Over C10-C28)	**15.2**	**J F1**	50.0	15.1	mg/Kg		07/14/25 08:51	07/16/25 00:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:51	07/16/25 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*07/14/25 08:51*	*07/16/25 00:01*	*1*
o-Terphenyl	*95*		*70 - 130*	*07/14/25 08:51*	*07/16/25 00:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		9.94	0.393	mg/Kg			07/14/25 14:43	1

Client Sample ID: SW-32-0-2

Lab Sample ID: 890-8448-13
Matrix: Solid
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 18:37	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/14/25 09:06	07/14/25 18:37	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		07/14/25 09:06	07/14/25 18:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		07/14/25 09:06	07/14/25 18:37	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/14/25 09:06	07/14/25 18:37	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		07/14/25 09:06	07/14/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*07/14/25 09:06*	*07/14/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/14/25 09:06*	*07/14/25 18:37*	*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			07/14/25 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/16/25 00:49	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	<49.9	U	49.9	14.5	mg/Kg		07/14/25 08:51	07/16/25 00:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/14/25 08:51	07/16/25 00:49	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-32-0-2 Lab Sample ID: 890-8448-13
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 08:51	07/16/25 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/14/25 08:51*	*07/16/25 00:49*	*1*
o-Terphenyl	*88*		*70 - 130*	*07/14/25 08:51*	*07/16/25 00:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		10.0	0.396	mg/Kg			07/14/25 14:49	1

Client Sample ID: SW-33-0-2 Lab Sample ID: 890-8448-14
Date Collected: 07/10/25 00:00 **Matrix: Solid**
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 18:57	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/14/25 09:06	07/14/25 18:57	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/14/25 09:06	07/14/25 18:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 18:57	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/14/25 09:06	07/14/25 18:57	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/14/25 09:06	07/14/25 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*07/14/25 09:06*	*07/14/25 18:57*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/14/25 09:06*	*07/14/25 18:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/14/25 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/16/25 01:05	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	<50.0	U	50.0	14.5	mg/Kg		07/14/25 08:51	07/16/25 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:51	07/16/25 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:51	07/16/25 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*07/14/25 08:51*	*07/16/25 01:05*	*1*
o-Terphenyl	*90*		*70 - 130*	*07/14/25 08:51*	*07/16/25 01:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		9.98	0.394	mg/Kg			07/14/25 14:55	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-34-0-2

Lab Sample ID: 890-8448-15
Matrix: Solid
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 19:18	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/14/25 09:06	07/14/25 19:18	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/14/25 09:06	07/14/25 19:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/14/25 09:06	07/14/25 19:18	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/14/25 09:06	07/14/25 19:18	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/14/25 09:06	07/14/25 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*07/14/25 09:06*	*07/14/25 19:18*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/14/25 09:06*	*07/14/25 19:18*	*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			07/14/25 19:18	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			07/16/25 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/14/25 08:51	07/16/25 01:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:51	07/16/25 01:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/14/25 08:51	07/16/25 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/14/25 08:51*	*07/16/25 01:22*	*1*
o-Terphenyl	*92*		*70 - 130*	*07/14/25 08:51*	*07/16/25 01:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		10.1	0.399	mg/Kg			07/14/25 15:00	1

Client Sample ID: SW-35-0-4

Lab Sample ID: 890-8448-16
Matrix: Solid
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

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		07/14/25 09:06	07/14/25 19:38	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/14/25 09:06	07/14/25 19:38	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/14/25 09:06	07/14/25 19:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/14/25 09:06	07/14/25 19:38	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/14/25 09:06	07/14/25 19:38	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/14/25 09:06	07/14/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*07/14/25 09:06*	*07/14/25 19:38*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/14/25 09:06*	*07/14/25 19:38*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-35-0-4

Lab Sample ID: 890-8448-16
Matrix: Solid
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

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			07/14/25 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.7**		49.8	15.1	mg/Kg			07/17/25 22:18	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	<49.8	U	49.8	14.5	mg/Kg		07/15/25 12:00	07/17/25 22:18	1
Diesel Range Organics (Over C10-C28)	**50.7**		49.8	15.1	mg/Kg		07/15/25 12:00	07/17/25 22:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/15/25 12:00	07/17/25 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/15/25 12:00*	*07/17/25 22:18*	*1*
o-Terphenyl	*84*		*70 - 130*	*07/15/25 12:00*	*07/17/25 22:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.6**		10.1	0.397	mg/Kg			07/14/25 15:06	1

Client Sample ID: B - 97 - 2'

Lab Sample ID: 890-8450-1
Matrix: Solid
Date Collected: 07/15/25 09:30
Date Received: 07/15/25 16:28

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		07/16/25 08:51	07/16/25 13:30	1
Toluene	<0.00201	U *-	0.00201	0.00201	mg/Kg		07/16/25 08:51	07/16/25 13:30	1
Ethylbenzene	<0.00201	U *-	0.00201	0.00109	mg/Kg		07/16/25 08:51	07/16/25 13:30	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402	0.00229	mg/Kg		07/16/25 08:51	07/16/25 13:30	1
o-Xylene	<0.00201	U *- *1	0.00201	0.00159	mg/Kg		07/16/25 08:51	07/16/25 13:30	1
Xylenes, Total	<0.00402	U *- *1	0.00402	0.00229	mg/Kg		07/16/25 08:51	07/16/25 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/16/25 08:51*	*07/16/25 13:30*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/16/25 08:51*	*07/16/25 13:30*	*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			07/16/25 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/16/25 22:48	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	<49.7	U	49.7	14.4	mg/Kg		07/16/25 08:25	07/16/25 22:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/16/25 08:25	07/16/25 22:48	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 97 - 2'
Lab Sample ID: 890-8450-1
Date Collected: 07/15/25 09:30 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/16/25 08:25	07/16/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*07/16/25 08:25*	*07/16/25 22:48*	*1*
o-Terphenyl	*103*		*70 - 130*	*07/16/25 08:25*	*07/16/25 22:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		9.92	0.392	mg/Kg			07/16/25 12:46	1

Client Sample ID: B - 98 - 2'
Lab Sample ID: 890-8450-2
Date Collected: 07/15/25 09:40 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/16/25 08:51	07/16/25 13:51	1
Toluene	<0.00202	U *-	0.00202	0.00202	mg/Kg		07/16/25 08:51	07/16/25 13:51	1
Ethylbenzene	<0.00202	U *-	0.00202	0.00110	mg/Kg		07/16/25 08:51	07/16/25 13:51	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404	0.00231	mg/Kg		07/16/25 08:51	07/16/25 13:51	1
o-Xylene	<0.00202	U *- *1	0.00202	0.00160	mg/Kg		07/16/25 08:51	07/16/25 13:51	1
Xylenes, Total	<0.00404	U *- *1	0.00404	0.00231	mg/Kg		07/16/25 08:51	07/16/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/16/25 08:51*	*07/16/25 13:51*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/16/25 08:51*	*07/16/25 13:51*	*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			07/16/25 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	15.0	mg/Kg			07/16/25 23:38	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	<49.6	U	49.6	14.4	mg/Kg		07/16/25 08:25	07/16/25 23:38	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	15.0	mg/Kg		07/16/25 08:25	07/16/25 23:38	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	15.0	mg/Kg		07/16/25 08:25	07/16/25 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*07/16/25 08:25*	*07/16/25 23:38*	*1*
o-Terphenyl	*101*		*70 - 130*	*07/16/25 08:25*	*07/16/25 23:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		10.0	0.396	mg/Kg			07/16/25 12:54	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 105 - 2'

Date Collected: 07/15/25 09:50
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-3

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		07/16/25 08:51	07/16/25 14:11	1
Toluene	<0.00199	U *-	0.00199	0.00199	mg/Kg		07/16/25 08:51	07/16/25 14:11	1
Ethylbenzene	<0.00199	U *-	0.00199	0.00108	mg/Kg		07/16/25 08:51	07/16/25 14:11	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	0.00227	mg/Kg		07/16/25 08:51	07/16/25 14:11	1
o-Xylene	<0.00199	U *- *1	0.00199	0.00157	mg/Kg		07/16/25 08:51	07/16/25 14:11	1
Xylenes, Total	<0.00398	U *- *1	0.00398	0.00227	mg/Kg		07/16/25 08:51	07/16/25 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/16/25 08:51*	*07/16/25 14:11*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/16/25 08:51*	*07/16/25 14:11*	*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			07/16/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/16/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/16/25 08:25	07/16/25 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/16/25 08:25	07/16/25 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/16/25 08:25	07/16/25 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*07/16/25 08:25*	*07/16/25 23:53*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/16/25 08:25*	*07/16/25 23:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		9.94	0.393	mg/Kg			07/16/25 11:52	1

Client Sample ID: B - 106 - 2'

Date Collected: 07/15/25 10:00
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-4

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		07/16/25 08:51	07/16/25 14:32	1
Toluene	<0.00200	U *-	0.00200	0.00200	mg/Kg		07/16/25 08:51	07/16/25 14:32	1
Ethylbenzene	<0.00200	U *-	0.00200	0.00109	mg/Kg		07/16/25 08:51	07/16/25 14:32	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399	0.00228	mg/Kg		07/16/25 08:51	07/16/25 14:32	1
o-Xylene	<0.00200	U *- *1	0.00200	0.00158	mg/Kg		07/16/25 08:51	07/16/25 14:32	1
Xylenes, Total	<0.00399	U *- *1	0.00399	0.00228	mg/Kg		07/16/25 08:51	07/16/25 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/16/25 08:51*	*07/16/25 14:32*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*07/16/25 08:51*	*07/16/25 14:32*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 106 - 2'
Lab Sample ID: 890-8450-4
Date Collected: 07/15/25 10:00 **Matrix: Solid**
Date Received: 07/15/25 16:28

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			07/16/25 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/17/25 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/16/25 08:25	07/17/25 00:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/16/25 08:25	07/17/25 00:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/16/25 08:25	07/17/25 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*07/16/25 08:25*	*07/17/25 00:11*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/16/25 08:25*	*07/17/25 00:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.2**		10.0	0.397	mg/Kg			07/16/25 12:09	1

Client Sample ID: B - 107 - 2'
Lab Sample ID: 890-8450-5
Date Collected: 07/15/25 10:10 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/16/25 08:51	07/16/25 14:52	1
Toluene	<0.00200	U *-	0.00200	0.00200	mg/Kg		07/16/25 08:51	07/16/25 14:52	1
Ethylbenzene	<0.00200	U *-	0.00200	0.00109	mg/Kg		07/16/25 08:51	07/16/25 14:52	1
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400	0.00229	mg/Kg		07/16/25 08:51	07/16/25 14:52	1
o-Xylene	<0.00200	U *- *1	0.00200	0.00158	mg/Kg		07/16/25 08:51	07/16/25 14:52	1
Xylenes, Total	<0.00400	U *- *1	0.00400	0.00229	mg/Kg		07/16/25 08:51	07/16/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*07/16/25 08:51*	*07/16/25 14:52*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/16/25 08:51*	*07/16/25 14:52*	*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			07/16/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/17/25 00:27	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	<49.7	U	49.7	14.4	mg/Kg		07/16/25 08:25	07/17/25 00:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/16/25 08:25	07/17/25 00:27	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 107 - 2'

Date Collected: 07/15/25 10:10
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-5

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)	<49.7	U	49.7	15.0	mg/Kg		07/16/25 08:25	07/17/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*07/16/25 08:25*	*07/17/25 00:27*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/16/25 08:25*	*07/17/25 00:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		10.0	0.397	mg/Kg			07/16/25 12:15	1

Client Sample ID: B - 108 - 2'

Date Collected: 07/15/25 10:20
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-6

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	0.00140	mg/Kg		07/16/25 08:51	07/16/25 15:13	1
Toluene	<0.00201	U *-	0.00201	0.00201	mg/Kg		07/16/25 08:51	07/16/25 15:13	1
Ethylbenzene	**0.00153**	**J *-**	0.00201	0.00109	mg/Kg		07/16/25 08:51	07/16/25 15:13	1
m-Xylene & p-Xylene	**0.00252**	**J *- *1**	0.00402	0.00229	mg/Kg		07/16/25 08:51	07/16/25 15:13	1
o-Xylene	<0.00201	U *- *1	0.00201	0.00159	mg/Kg		07/16/25 08:51	07/16/25 15:13	1
Xylenes, Total	**0.00252**	**J *- *1**	0.00402	0.00229	mg/Kg		07/16/25 08:51	07/16/25 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/16/25 08:51*	*07/16/25 15:13*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/16/25 08:51*	*07/16/25 15:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00405**		0.00402	0.00229	mg/Kg			07/16/25 15:13	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	15.1	mg/Kg			07/17/25 00:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.5	mg/Kg		07/16/25 08:25	07/17/25 00:44	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		07/16/25 08:25	07/17/25 00:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		07/16/25 08:25	07/17/25 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*07/16/25 08:25*	*07/17/25 00:44*	*1*
o-Terphenyl	*104*		*70 - 130*	*07/16/25 08:25*	*07/17/25 00:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		10.0	0.397	mg/Kg			07/16/25 12:20	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 109 - 2'
Date Collected: 07/15/25 10:30
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-7
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	0.00140	mg/Kg		07/17/25 08:08	07/17/25 11:34	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/17/25 08:08	07/17/25 11:34	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/17/25 08:08	07/17/25 11:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		07/17/25 08:08	07/17/25 11:34	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/17/25 08:08	07/17/25 11:34	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		07/17/25 08:08	07/17/25 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/17/25 08:08*	*07/17/25 11:34*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/17/25 08:08*	*07/17/25 11:34*	*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			07/17/25 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/17/25 01:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		07/16/25 08:25	07/17/25 01:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/16/25 08:25	07/17/25 01:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/16/25 08:25	07/17/25 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:00*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.6**		10.0	0.397	mg/Kg			07/16/25 12:26	1

Client Sample ID: B - 110 - 2'
Date Collected: 07/15/25 10:40
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-8
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		07/17/25 08:08	07/17/25 11:55	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/17/25 08:08	07/17/25 11:55	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/17/25 08:08	07/17/25 11:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/17/25 08:08	07/17/25 11:55	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/17/25 08:08	07/17/25 11:55	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/17/25 08:08	07/17/25 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/17/25 08:08*	*07/17/25 11:55*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/17/25 08:08*	*07/17/25 11:55*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 110 - 2'
Lab Sample ID: 890-8450-8
Date Collected: 07/15/25 10:40 **Matrix: Solid**
Date Received: 07/15/25 16:28

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			07/17/25 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	15.1	mg/Kg			07/17/25 01:17	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		07/16/25 08:25	07/17/25 01:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/16/25 08:25	07/17/25 01:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/16/25 08:25	07/17/25 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:17*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		9.98	0.394	mg/Kg			07/16/25 12:43	1

Client Sample ID: B - 111 - 2'
Lab Sample ID: 890-8450-9
Date Collected: 07/15/25 10:50 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 12:15	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/17/25 08:08	07/17/25 12:15	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/17/25 08:08	07/17/25 12:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/17/25 08:08	07/17/25 12:15	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/17/25 08:08	07/17/25 12:15	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/17/25 08:08	07/17/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/17/25 08:08*	*07/17/25 12:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/17/25 08:08*	*07/17/25 12:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			07/17/25 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/17/25 01:32	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	49.8	14.5	mg/Kg		07/16/25 08:25	07/17/25 01:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/16/25 08:25	07/17/25 01:32	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 111 - 2' Lab Sample ID: 890-8450-9

Date Collected: 07/15/25 10:50 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/16/25 08:25	07/17/25 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:32*	*1*
o-Terphenyl	*95*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		9.96	0.393	mg/Kg			07/16/25 12:49	1

Client Sample ID: B - 112 - 2' Lab Sample ID: 890-8450-10

Date Collected: 07/15/25 11:00 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 12:36	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/17/25 08:08	07/17/25 12:36	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/17/25 08:08	07/17/25 12:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/17/25 08:08	07/17/25 12:36	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/17/25 08:08	07/17/25 12:36	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/17/25 08:08	07/17/25 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/17/25 08:08*	*07/17/25 12:36*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/17/25 08:08*	*07/17/25 12:36*	*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			07/17/25 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			07/17/25 01:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.6	mg/Kg		07/16/25 08:25	07/17/25 01:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		07/16/25 08:25	07/17/25 01:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		07/16/25 08:25	07/17/25 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:50*	*1*
o-Terphenyl	*96*		*70 - 130*	*07/16/25 08:25*	*07/17/25 01:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**483**		9.98	0.394	mg/Kg			07/16/25 12:54	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 113 - 2'

Lab Sample ID: 890-8450-11
Matrix: Solid
Date Collected: 07/15/25 11:10
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 12:56	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/17/25 08:08	07/17/25 12:56	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		07/17/25 08:08	07/17/25 12:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		07/17/25 08:08	07/17/25 12:56	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/17/25 08:08	07/17/25 12:56	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		07/17/25 08:08	07/17/25 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/17/25 08:08*	*07/17/25 12:56*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/17/25 08:08*	*07/17/25 12:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00230	mg/Kg			07/17/25 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/17/25 02:23	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		07/16/25 08:25	07/17/25 02:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/16/25 08:25	07/17/25 02:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/16/25 08:25	07/17/25 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*07/16/25 08:25*	*07/17/25 02:23*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/16/25 08:25*	*07/17/25 02:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		9.96	0.393	mg/Kg			07/16/25 13:00	1

Client Sample ID: B - 114 - 2'

Lab Sample ID: 890-8450-12
Matrix: Solid
Date Collected: 07/15/25 11:20
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 13:17	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/17/25 08:08	07/17/25 13:17	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/17/25 08:08	07/17/25 13:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/17/25 08:08	07/17/25 13:17	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/17/25 08:08	07/17/25 13:17	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/17/25 08:08	07/17/25 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/17/25 08:08*	*07/17/25 13:17*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/17/25 08:08*	*07/17/25 13:17*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 114 - 2'
Lab Sample ID: 890-8450-12
Date Collected: 07/15/25 11:20 **Matrix: Solid**
Date Received: 07/15/25 16:28

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			07/17/25 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/17/25 02:38	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		07/16/25 08:25	07/17/25 02:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/16/25 08:25	07/17/25 02:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/16/25 08:25	07/17/25 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*07/16/25 08:25*	*07/17/25 02:38*	*1*
o-Terphenyl	*95*		*70 - 130*	*07/16/25 08:25*	*07/17/25 02:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		9.92	0.392	mg/Kg			07/16/25 13:06	1

Client Sample ID: B - 115 - 2'
Lab Sample ID: 890-8450-13
Date Collected: 07/15/25 11:30 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 13:37	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/17/25 08:08	07/17/25 13:37	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/17/25 08:08	07/17/25 13:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/17/25 08:08	07/17/25 13:37	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/17/25 08:08	07/17/25 13:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/17/25 08:08	07/17/25 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*07/17/25 08:08*	*07/17/25 13:37*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/17/25 08:08*	*07/17/25 13:37*	*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	0.00228	mg/Kg			07/17/25 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	15.0	mg/Kg			07/17/25 02:55	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	14.4	mg/Kg		07/16/25 08:25	07/17/25 02:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	15.0	mg/Kg		07/16/25 08:25	07/17/25 02:55	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B - 115 - 2'
Lab Sample ID: 890-8450-13
Date Collected: 07/15/25 11:30 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/16/25 08:25	07/17/25 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*07/16/25 08:25*	*07/17/25 02:55*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/16/25 08:25*	*07/17/25 02:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.5**	**F1**	10.0	0.396	mg/Kg			07/16/25 13:11	1

Client Sample ID: B - 116 - 2'
Lab Sample ID: 890-8450-14
Date Collected: 07/15/25 11:40 **Matrix: Solid**
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 13:57	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/17/25 08:08	07/17/25 13:57	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/17/25 08:08	07/17/25 13:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/17/25 08:08	07/17/25 13:57	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/17/25 08:08	07/17/25 13:57	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/17/25 08:08	07/17/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/17/25 08:08*	*07/17/25 13:57*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/17/25 08:08*	*07/17/25 13:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			07/17/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	15.2	mg/Kg			07/17/25 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	14.6	mg/Kg		07/16/25 08:25	07/17/25 03:11	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	15.2	mg/Kg		07/16/25 08:25	07/17/25 03:11	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	15.2	mg/Kg		07/16/25 08:25	07/17/25 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*07/16/25 08:25*	*07/17/25 03:11*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/16/25 08:25*	*07/17/25 03:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**467**		10.1	0.398	mg/Kg			07/16/25 13:28	1

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 117 - 2'

Lab Sample ID: 890-8450-15
Matrix: Solid
Date Collected: 07/15/25 11:50
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 14:18	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/17/25 08:08	07/17/25 14:18	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/17/25 08:08	07/17/25 14:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/17/25 08:08	07/17/25 14:18	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/17/25 08:08	07/17/25 14:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/17/25 08:08	07/17/25 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/17/25 08:08*	*07/17/25 14:18*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/17/25 08:08*	*07/17/25 14:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/17/25 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.4**	**J**	49.9	15.1	mg/Kg			07/17/25 03:28	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		07/16/25 08:25	07/17/25 03:28	1
Diesel Range Organics (Over C10-C28)	**18.4**	**J**	49.9	15.1	mg/Kg		07/16/25 08:25	07/17/25 03:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/16/25 08:25	07/17/25 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*07/16/25 08:25*	*07/17/25 03:28*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/16/25 08:25*	*07/17/25 03:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.8**		9.94	0.393	mg/Kg			07/16/25 13:34	1

Client Sample ID: B - 103 - 2'

Lab Sample ID: 890-8450-16
Matrix: Solid
Date Collected: 07/15/25 12:00
Date Received: 07/15/25 16:28

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		07/17/25 08:08	07/17/25 14:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/17/25 08:08	07/17/25 14:38	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/17/25 08:08	07/17/25 14:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/17/25 08:08	07/17/25 14:38	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/17/25 08:08	07/17/25 14:38	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/17/25 08:08	07/17/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/17/25 08:08*	*07/17/25 14:38*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/17/25 08:08*	*07/17/25 14:38*	*1*

Client Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 103 - 2'

Date Collected: 07/15/25 12:00
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-16

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	0.00228	mg/Kg			07/17/25 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	<49.7	U	49.7	15.0	mg/Kg			07/17/25 03:43	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	<49.7	U	49.7	14.4	mg/Kg		07/16/25 08:25	07/17/25 03:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/16/25 08:25	07/17/25 03:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/16/25 08:25	07/17/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*07/16/25 08:25*	*07/17/25 03:43*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/16/25 08:25*	*07/17/25 03:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.6**		9.90	0.391	mg/Kg			07/16/25 13:51	1

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-59525-1	B-58-2'	105	99
880-59525-1 MS	B-58-2'	91	92
880-59525-1 MSD	B-58-2'	92	91
880-59525-2	SW-15-0-2'	103	96
880-59525-3	B-59-2'	106	103
880-59525-4	B-60-2'	114	86
880-59525-4 MS	B-60-2'	106	102
880-59525-4 MSD	B-60-2'	106	103
880-59525-5	B-61-2'	112	82
880-59525-6	B-62-2'	107	95
880-59525-7	SW-21--0-2'	107	90
880-59525-7 MS	SW-21--0-2'	99	98
880-59525-7 MSD	SW-21--0-2'	103	95
880-59525-8	B-45-2.5'	93	97
880-59525-9	B-44-2.5'	95	100
880-59967-1	SW-26-0-2'	108	100
880-59967-2	SW-24-0-2'	106	100
880-59967-3	SW-25-0-2'	102	98
880-59967-4	SW-27-0-2'	109	98
880-59967-5	B-75-0-2'	112	97
880-59967-6	B-76-0-2'	122	90
880-59967-7	B-77-0-2'	118	88
880-59967-8	B-78-0-2'	113	88
880-59967-9	SW-28-0-4'	117	89
880-59967-10	SW-29-0-4'	114	80
880-59967-10 MS	SW-29-0-4'	111	92
880-59967-10 MSD	SW-29-0-4'	109	90
880-59967-11	B-80-4'	97	93
880-59967-12	B-81-4'	102	88
880-59967-13	B-79-2'	105	90
890-8256-1	SW-1-0-4	105	99
890-8256-1 MS	SW-1-0-4	97	92
890-8256-1 MSD	SW-1-0-4	93	93
890-8256-2	SW-2-0-4	104	99
890-8256-3	SW-3-0-4	107	102
890-8256-4	SW-4-0-4	109	103
890-8256-5	SW-5-0-4	107	101
890-8256-6	SW-6-0-4	102	99
890-8256-7	B-2-4	105	99
890-8256-8	B-3-4	110	104
890-8256-9	B-4-4	103	101
890-8256-10	B-5-4	110	105
890-8256-11	B-6-4	106	100
890-8256-12	B-8-4	104	89
890-8256-12 MS	B-8-4	95	104
890-8256-12 MSD	B-8-4	99	105
890-8256-13	B-12-4	87	105
890-8256-14	B-18-4	92	102
890-8256-15	B-19-4	88	104

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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)
890-8256-16	B-20-4	92	100
890-8256-17	B-21-4	94	98
890-8256-18	B-22-4	88	100
890-8256-19	B-23-4	92	104
890-8256-20	SW-7-0-2	88	100
890-8256-21	SW-9-0-2	89	100
890-8256-22	SW-11-0-2	101	90
890-8260-1	SW - 10 - 0 - 2'	179 S1+	78
890-8260-1 MS	SW - 10 - 0 - 2'	152 S1+	86
890-8260-1 MSD	SW - 10 - 0 - 2'	155 S1+	82
890-8260-2	B - 17 - 2'	164 S1+	80
890-8260-3	B - 1 - 4'	155 S1+	82
890-8260-4	B - 7 - 4'	156 S1+	82
890-8260-5	B - 9 - 4'	175 S1+	71
890-8260-6	B - 10 - 4'	155 S1+	82
890-8260-7	B - 11 - 4'	154 S1+	82
890-8260-8	B - 24 - 2'	161 S1+	80
890-8260-9	B - 25 - 2'	160 S1+	79
890-8260-10	B - 26 - 2'	159 S1+	79
890-8260-11	B - 27 - 2'	166 S1+	83
890-8260-12	B - 28 - 2'	169 S1+	77
890-8260-13	B - 29 - 2'	168 S1+	78
890-8260-14	B - 30 - 2'	169 S1+	78
890-8260-15	SW - 8 - 0-2'	174 S1+	76
890-8260-16	SW - 12 - 0-2'	169 S1+	79
890-8260-17	SW - 13 - 0-2'	179 S1+	76
890-8266-1	B - 13 - 2'	107	100
890-8266-1 MS	B - 13 - 2'	99	95
890-8266-1 MSD	B - 13 - 2'	91	90
890-8266-2	B - 14 - 2'	110	105
890-8266-3	B - 15 - 2'	102	100
890-8266-4	B - 16 - 2'	107	102
890-8266-5	B - 31 - 2'	104	100
890-8266-6	B - 32 - 2'	86	93
890-8266-6 MS	B - 32 - 2'	93	107
890-8266-6 MSD	B - 32 - 2'	95	104
890-8266-7	B - 33 - 2'	88	91
890-8266-8	B - 34 - 2'	88	80
890-8266-9	SW - 14 - 0-2'	88	91
890-8266-10	SW - 15 - 0-2'	95	79
890-8268-1	BACKFILL	106	98
890-8268-1 MS	BACKFILL	95	90
890-8268-1 MSD	BACKFILL	94	89
890-8292-1	B - 35 - 2'	101	95
890-8292-1 MS	B - 35 - 2'	91	89
890-8292-1 MSD	B - 35 - 2'	94	89
890-8292-2	B - 36 - 2'	98	96
890-8292-3	B - 37 - 2'	99	96
890-8292-4	B - 38 - 2'	100	97
890-8292-5	B - 39 - 2'	101	97

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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)
890-8292-6	B - 40 - 2'	100	96
890-8292-7	B - 41 - 2'	102	96
890-8292-8	B - 42 - 2'	111	89
890-8292-8 MS	B - 42 - 2'	98	98
890-8292-8 MSD	B - 42 - 2'	95	104
890-8292-9	B - 43 - 2'	95	100
890-8292-10	B - 44 - 2'	90	102
890-8292-11	B - 45 - 2'	91	102
890-8292-12	B - 46 - 2'	89	100
890-8292-13	SW - 16 - 0-2'	95	100
890-8292-14	SW - 17 - 0-2'	97	99
890-8292-15	B - 47 - 2'	108	99
890-8292-15 MS	B - 47 - 2'	100	99
890-8292-15 MSD	B - 47 - 2'	101	100
890-8292-16	B - 48 - 2'	108	101
890-8292-17	B - 49 - 2'	104	99
890-8292-18	B - 50 - 2'	99	99
890-8292-19	B - 51 - 2'	106	98
890-8292-20	B - 52 - 2'	100	100
890-8292-21	B - 53 - 2'	106	93
890-8292-22	B - 54 - 2'	98	84
890-8292-22 MS	B - 54 - 2'	109	94
890-8292-22 MSD	B - 54 - 2'	99	94
890-8292-23	B - 55 - 2'	96	81
890-8292-24	B - 56 - 2'	88	92
890-8292-25	B - 57 - 2'	93	80
890-8292-26	SW - 18 - 0-2'	97	69 S1-
890-8292-27	SW - 19 - 0-2'	106	82
890-8292-28	SW - 20 - 0-2'	100	86
890-8341-1	SW-22-0-2	107	90
890-8341-1 MS	SW-22-0-2	98	101
890-8341-1 MSD	SW-22-0-2	100	101
890-8341-2	B-63-2	87	105
890-8341-3	B-64-2	89	104
890-8341-4	B-65-2	96	96
890-8341-5	B-66-2	99	82
890-8341-5 MS	B-66-2	112	98
890-8341-5 MSD	B-66-2	103	109
890-8341-6	B-67-2	85	91
890-8341-7	B-68-2	93	75
890-8341-8	B-69-2	121	96
890-8341-8 MS	B-69-2	111	101
890-8341-8 MSD	B-69-2	115	99
890-8341-9	B-70-2	120	92
890-8341-10	B-71-2	112	94
890-8341-11	B-72-2	102	98
890-8341-11 MS	B-72-2	94	90
890-8341-11 MSD	B-72-2	96	91
890-8341-12	B-73-2	102	102
890-8341-13	B-74-2	102	99

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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)								
890-8341-14	SW-23-0-2	102	101								
890-8428-1	SW - 30 - 0-2'	124	109								
890-8428-2	B - 82 - 2'	123	104								
890-8428-3	B - 83 - 2'	122	108								
890-8428-4	B - 84 - 2'	120	109								
890-8428-5	B - 85 - 2'	119	107								
890-8428-6	B - 86 - 2'	123	106								
890-8428-7	B - 87 - 2'	126	112								
890-8428-8	B - 88 - 2'	100	97								
890-8428-9	B - 89 - 2'	98	92								
890-8428-10	B - 90 - 2'	110	85								
890-8448-1	B-91-2	134 S1+	90								
890-8448-1 MS	B-91-2	119	94								
890-8448-1 MSD	B-91-2	124	94								
890-8448-2	B-92-2	122	88								
890-8448-3	B-93-2	130	86								
890-8448-4	B-94-2	124	88								
890-8448-5	B-95-2	131 S1+	87								
890-8448-6	B-96-2	132 S1+	86								
890-8448-7	B-99-2	127	88								
890-8448-8	B-100-2	138 S1+	90								
890-8448-9	B-101-2	129	87								
890-8448-10	B-102-2	127	85								
890-8448-11	B-104-2	129	87								
890-8448-12	SW-31-0-2	128	84								
890-8448-13	SW-32-0-2	130	85								
890-8448-14	SW-33-0-2	135 S1+	86								
890-8448-15	SW-34-0-2	128	86								
890-8448-16	SW-35-0-4	130	86								
890-8450-1	B - 97 - 2'	97	85								
890-8450-1 MS	B - 97 - 2'	114	97								
890-8450-1 MSD	B - 97 - 2'	107	92								
890-8450-2	B - 98 - 2'	104	86								
890-8450-3	B - 105 - 2'	104	88								
890-8450-4	B - 106 - 2'	104	77								
890-8450-5	B - 107 - 2'	94	99								
890-8450-6	B - 108 - 2'	109	87								
890-8450-7	B - 109 - 2'	108	99								
890-8450-7 MS	B - 109 - 2'	98	104								
890-8450-7 MSD	B - 109 - 2'	99	105								
890-8450-8	B - 110 - 2'	98	100								
890-8450-9	B - 111 - 2'	98	101								
890-8450-10	B - 112 - 2'	108	94								
890-8450-11	B - 113 - 2'	107	95								
890-8450-12	B - 114 - 2'	97	100								
890-8450-13	B - 115 - 2'	103	98								
890-8450-14	B - 116 - 2'	96	100								
890-8450-15	B - 117 - 2'	106	95								
890-8450-16	B - 103 - 2'	96	101								
LCS 880-111261/1-B	Lab Control Sample	94	105								

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)								
LCS 880-111282/1-A	Lab Control Sample	95	92								
LCS 880-111472/1-A	Lab Control Sample	99	94								
LCS 880-111474/1-A	Lab Control Sample	97	97								
LCS 880-111487/1-A	Lab Control Sample	148 S1+	89								
LCS 880-111561/1-A	Lab Control Sample	94	89								
LCS 880-112268/1-A	Lab Control Sample	70	111								
LCS 880-112269/1-A	Lab Control Sample	96	97								
LCS 880-112270/1-A	Lab Control Sample	102	99								
LCS 880-112271/1-A	Lab Control Sample	91	101								
LCS 880-112665/1-A	Lab Control Sample	91	91								
LCS 880-112667/1-A	Lab Control Sample	103	102								
LCS 880-112668/1-A	Lab Control Sample	95	96								
LCS 880-112837/1-A	Lab Control Sample	98	104								
LCS 880-112846/1-A	Lab Control Sample	91	101								
LCS 880-112849/1-A	Lab Control Sample	97	96								
LCS 880-112851/1-A	Lab Control Sample	114	99								
LCS 880-113513/1-A	Lab Control Sample	91	91								
LCS 880-113516/1-A	Lab Control Sample	127	88								
LCS 880-113533/1-A	Lab Control Sample	105	90								
LCS 880-113945/1-A	Lab Control Sample	108	97								
LCS 880-113987/1-A	Lab Control Sample	97	103								
LCS 880-114076/1-A	Lab Control Sample	130	90								
LCS 880-114247/1-A	Lab Control Sample	30 S1-	75								
LCS 880-114313/1-A	Lab Control Sample	97	102								
LCSD 880-111261/2-B	Lab Control Sample Dup	95	100								
LCSD 880-111282/2-A	Lab Control Sample Dup	97	94								
LCSD 880-111472/2-A	Lab Control Sample Dup	97	92								
LCSD 880-111474/2-A	Lab Control Sample Dup	94	102								
LCSD 880-111487/2-A	Lab Control Sample Dup	153 S1+	89								
LCSD 880-111561/2-A	Lab Control Sample Dup	90	89								
LCSD 880-112268/2-A	Lab Control Sample Dup	70	110								
LCSD 880-112269/2-A	Lab Control Sample Dup	99	101								
LCSD 880-112270/2-A	Lab Control Sample Dup	104	97								
LCSD 880-112271/2-A	Lab Control Sample Dup	86	94								
LCSD 880-112665/2-A	Lab Control Sample Dup	88	90								
LCSD 880-112667/2-A	Lab Control Sample Dup	111	97								
LCSD 880-112668/2-A	Lab Control Sample Dup	99	96								
LCSD 880-112837/2-A	Lab Control Sample Dup	95	103								
LCSD 880-112846/2-A	Lab Control Sample Dup	100	95								
LCSD 880-112849/2-A	Lab Control Sample Dup	95	91								
LCSD 880-112851/2-A	Lab Control Sample Dup	112	98								
LCSD 880-113513/2-A	Lab Control Sample Dup	92	90								
LCSD 880-113516/2-A	Lab Control Sample Dup	119	95								
LCSD 880-113533/2-A	Lab Control Sample Dup	107	90								
LCSD 880-113945/2-A	Lab Control Sample Dup	108	94								
LCSD 880-113987/2-A	Lab Control Sample Dup	100	98								
LCSD 880-114076/2-A	Lab Control Sample Dup	117	96								
LCSD 880-114247/2-A	Lab Control Sample Dup	105	98								
LCSD 880-114313/2-A	Lab Control Sample Dup	99	101								
MB 880-111261/5-B	Method Blank	105	85								

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-111282/5-A	Method Blank	100	99
MB 880-111472/5-A	Method Blank	96	98
MB 880-111474/5-A	Method Blank	92	100
MB 880-111487/5-A	Method Blank	149 S1+	83
MB 880-111561/5-A	Method Blank	96	98
MB 880-112268/5-A	Method Blank	95	94
MB 880-112269/5-A	Method Blank	103	85
MB 880-112270/5-A	Method Blank	96	96
MB 880-112271/5-A	Method Blank	84	93
MB 880-112665/5-A	Method Blank	93	95
MB 880-112667/5-A	Method Blank	104	90
MB 880-112668/5-A	Method Blank	99	86
MB 880-112837/5-A	Method Blank	96	91
MB 880-112846/5-A	Method Blank	84	93
MB 880-112849/5-A	Method Blank	96	92
MB 880-112851/5-A	Method Blank	106	86
MB 880-113513/5-A	Method Blank	94	93
MB 880-113516/5-A	Method Blank	115	85
MB 880-113533/5-A	Method Blank	105	87
MB 880-113945/5-A	Method Blank	107	101
MB 880-113951/5-A	Method Blank	96	85
MB 880-113987/5-A	Method Blank	94	86
MB 880-114076/5-A	Method Blank	121	88
MB 880-114247/5-A	Method Blank	84	96
MB 880-114313/5-A	Method Blank	95	98

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)
880-59525-1	B-58-2'	131 S1+	129
880-59525-1 MS	B-58-2'	106	112
880-59525-1 MSD	B-58-2'	115	121
880-59525-2	SW-15-0-2'	129	131 S1+
880-59525-3	B-59-2'	132 S1+	134 S1+
880-59525-4	B-60-2'	115	117
880-59525-5	B-61-2'	115	115
880-59525-6	B-62-2'	116	115
880-59525-7	SW-21--0-2'	114	113
880-59525-8	B-45-2.5'	114	115
880-59525-9	B-44-2.5'	115	117
880-59967-1	SW-26-0-2'	75	75
880-59967-1 MS	SW-26-0-2'	70	77
880-59967-1 MSD	SW-26-0-2'	72	79
880-59967-2	SW-24-0-2'	73	72

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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)								
880-59967-3	SW-25-0-2'	72	72								
880-59967-4	SW-27-0-2'	72	72								
880-59967-5	B-75-0-2'	74	73								
880-59967-6	B-76-0-2'	74	74								
880-59967-7	B-77-0-2'	76	77								
880-59967-8	B-78-0-2'	74	75								
880-59967-9	SW-28-0-4'	74	75								
880-59967-10	SW-29-0-4'	72	71								
880-59967-11	B-80-4'	74	74								
880-59967-12	B-81-4'	74	73								
880-59967-13	B-79-2'	75	75								
890-8256-1	SW-1-0-4	112	116								
890-8256-2	SW-2-0-4	117	119								
890-8256-3	SW-3-0-4	121	122								
890-8256-4	SW-4-0-4	116	117								
890-8256-5	SW-5-0-4	117	118								
890-8256-6	SW-6-0-4	115	117								
890-8256-7	B-2-4	67 S1-	70								
890-8256-8	B-3-4	77	83								
890-8256-9	B-4-4	68 S1-	70								
890-8256-10	B-5-4	79	82								
890-8256-11	B-6-4	68 S1-	70								
890-8256-12	B-8-4	67 S1-	70								
890-8256-13	B-12-4	68 S1-	70								
890-8256-14	B-18-4	70	72								
890-8256-14 MS	B-18-4	78	70								
890-8256-14 MSD	B-18-4	78	69 S1-								
890-8256-15	B-19-4	69 S1-	73								
890-8256-16	B-20-4	69 S1-	71								
890-8256-17	B-21-4	68 S1-	70								
890-8256-18	B-22-4	70	73								
890-8256-19	B-23-4	80	83								
890-8256-20	SW-7-0-2	68 S1-	71								
890-8256-21	SW-9-0-2	69 S1-	73								
890-8256-22	SW-11-0-2	69 S1-	71								
890-8260-1	SW - 10 - 0 - 2'	117	120								
890-8260-2	B - 17 - 2'	117	121								
890-8260-3	B - 1 - 4'	120	125								
890-8260-4	B - 7 - 4'	120	125								
890-8260-5	B - 9 - 4'	125	128								
890-8260-6	B - 10 - 4'	122	127								
890-8260-7	B - 11 - 4'	121	126								
890-8260-8	B - 24 - 2'	122	124								
890-8260-9	B - 25 - 2'	117	121								
890-8260-10	B - 26 - 2'	116	121								
890-8260-11	B - 27 - 2'	107	112								
890-8260-12	B - 28 - 2'	109	115								
890-8260-13	B - 29 - 2'	109	114								
890-8260-14	B - 30 - 2'	111	116								
890-8260-15	SW - 8 - 0-2'	76	77								

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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)								
890-8260-16	SW - 12 - 0-2'	109	115								
890-8260-17	SW - 13 - 0-2'	119	118								
890-8266-1	B - 13 - 2'	133 S1+	139 S1+								
890-8266-1 MS	B - 13 - 2'	130	124								
890-8266-1 MSD	B - 13 - 2'	124	125								
890-8266-2	B - 14 - 2'	121	129								
890-8266-3	B - 15 - 2'	127	134 S1+								
890-8266-4	B - 16 - 2'	121	126								
890-8266-5	B - 31 - 2'	121	126								
890-8266-6	B - 32 - 2'	125	129								
890-8266-7	B - 33 - 2'	121	127								
890-8266-8	B - 34 - 2'	120	125								
890-8266-9	SW - 14 - 0-2'	124	129								
890-8266-10	SW - 15 - 0-2'	127	132 S1+								
890-8268-1	BACKFILL	105	96								
890-8292-1	B - 35 - 2'	98	101								
890-8292-1 MS	B - 35 - 2'	109	107								
890-8292-1 MSD	B - 35 - 2'	113	107								
890-8292-2	B - 36 - 2'	101	104								
890-8292-3	B - 37 - 2'	98	102								
890-8292-4	B - 38 - 2'	101	104								
890-8292-5	B - 39 - 2'	98	101								
890-8292-6	B - 40 - 2'	100	101								
890-8292-7	B - 41 - 2'	97	104								
890-8292-8	B - 42 - 2'	96	98								
890-8292-9	B - 43 - 2'	94	97								
890-8292-10	B - 44 - 2'	95	98								
890-8292-11	B - 45 - 2'	98	99								
890-8292-12	B - 46 - 2'	97	97								
890-8292-13	SW - 16 - 0-2'	102	98								
890-8292-14	SW - 17 - 0-2'	100	102								
890-8292-15	B - 47 - 2'	105	104								
890-8292-15 MS	B - 47 - 2'	112	107								
890-8292-15 MSD	B - 47 - 2'	114	109								
890-8292-16	B - 48 - 2'	108	108								
890-8292-17	B - 49 - 2'	104	105								
890-8292-18	B - 50 - 2'	108	107								
890-8292-19	B - 51 - 2'	106	106								
890-8292-20	B - 52 - 2'	105	105								
890-8292-21	B - 53 - 2'	105	105								
890-8292-22	B - 54 - 2'	109	109								
890-8292-23	B - 55 - 2'	107	108								
890-8292-24	B - 56 - 2'	105	106								
890-8292-25	B - 57 - 2'	108	107								
890-8292-26	SW - 18 - 0-2'	104	104								
890-8292-27	SW - 19 - 0-2'	104	104								
890-8292-28	SW - 20 - 0-2'	114	113								
890-8341-1	SW-22-0-2	80	83								
890-8341-1 MS	SW-22-0-2	80	72								
890-8341-1 MSD	SW-22-0-2	75	81								

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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)								
890-8341-2	B-63-2	81	83								
890-8341-3	B-64-2	82	84								
890-8341-4	B-65-2	76	77								
890-8341-5	B-66-2	79	80								
890-8341-6	B-67-2	83	84								
890-8341-7	B-68-2	79	81								
890-8341-8	B-69-2	70	73								
890-8341-8 MS	B-69-2	67 S1-	74								
890-8341-8 MSD	B-69-2	67 S1-	74								
890-8341-9	B-70-2	70	72								
890-8341-10	B-71-2	72	76								
890-8341-11	B-72-2	69 S1-	73								
890-8341-12	B-73-2	71	73								
890-8341-13	B-74-2	70	74								
890-8341-14	SW-23-0-2	70	73								
890-8428-1	SW - 30 - 0-2'	105	100								
890-8428-1 MS	SW - 30 - 0-2'	93	98								
890-8428-1 MSD	SW - 30 - 0-2'	93	99								
890-8428-2	B - 82 - 2'	104	99								
890-8428-3	B - 83 - 2'	102	97								
890-8428-4	B - 84 - 2'	102	97								
890-8428-5	B - 85 - 2'	105	100								
890-8428-6	B - 86 - 2'	105	100								
890-8428-7	B - 87 - 2'	104	100								
890-8428-8	B - 88 - 2'	105	104								
890-8428-9	B - 89 - 2'	104	102								
890-8428-10	B - 90 - 2'	103	97								
890-8448-1	B-91-2	103	96								
890-8448-2	B-92-2	102	94								
890-8448-3	B-93-2	96	191 S1+								
890-8448-4	B-94-2	93	87								
890-8448-5	B-95-2	97	90								
890-8448-6	B-96-2	98	91								
890-8448-7	B-99-2	98	94								
890-8448-8	B-100-2	100	93								
890-8448-9	B-101-2	102	95								
890-8448-10	B-102-2	100	93								
890-8448-11	B-104-2	102	95								
890-8448-12	SW-31-0-2	106	95								
890-8448-12 MS	SW-31-0-2	96	94								
890-8448-12 MSD	SW-31-0-2	100	98								
890-8448-13	SW-32-0-2	100	88								
890-8448-14	SW-33-0-2	102	90								
890-8448-15	SW-34-0-2	105	92								
890-8448-16	SW-35-0-4	93	84								
890-8450-1	B - 97 - 2'	117	103								
890-8450-1 MS	B - 97 - 2'	103	100								
890-8450-1 MSD	B - 97 - 2'	104	101								
890-8450-2	B - 98 - 2'	114	101								
890-8450-3	B - 105 - 2'	116	100								

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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)										
890-8450-4	B - 106 - 2'	113	97										
890-8450-5	B - 107 - 2'	115	98										
890-8450-6	B - 108 - 2'	115	104										
890-8450-7	B - 109 - 2'	117	102										
890-8450-8	B - 110 - 2'	110	97										
890-8450-9	B - 111 - 2'	108	95										
890-8450-10	B - 112 - 2'	109	96										
890-8450-11	B - 113 - 2'	115	100										
890-8450-12	B - 114 - 2'	107	95										
890-8450-13	B - 115 - 2'	110	98										
890-8450-14	B - 116 - 2'	110	98										
890-8450-15	B - 117 - 2'	109	99										
890-8450-16	B - 103 - 2'	114	99										
LCS 880-111118/2-A	Lab Control Sample	95	88										
LCS 880-111268/2-A	Lab Control Sample	81	87										
LCS 880-111283/2-A	Lab Control Sample	109	101										
LCS 880-111328/2-A	Lab Control Sample	85	97										
LCS 880-111444/2-A	Lab Control Sample	106	98										
LCS 880-111453/2-A	Lab Control Sample	136 S1+	137 S1+										
LCS 880-111501/2-A	Lab Control Sample	87	90										
LCS 880-112264/2-A	Lab Control Sample	101	100										
LCS 880-112265/2-A	Lab Control Sample	132 S1+	133 S1+										
LCS 880-112651/2-A	Lab Control Sample	84	94										
LCS 880-112819/2-A	Lab Control Sample	84	96										
LCS 880-112820/2-A	Lab Control Sample	93	105										
LCS 880-113536/2-A	Lab Control Sample	113	128										
LCS 880-113941/2-A	Lab Control Sample	121	111										
LCS 880-114067/2-A	Lab Control Sample	96	102										
LCS 880-114068/2-A	Lab Control Sample	106	108										
LCS 880-114193/2-A	Lab Control Sample	99	106										
LCS 880-114246/2-A	Lab Control Sample	107	107										
LCSD 880-111118/3-A	Lab Control Sample Dup	100	93										
LCSD 880-111268/3-A	Lab Control Sample Dup	83	90										
LCSD 880-111283/3-A	Lab Control Sample Dup	118	132 S1+										
LCSD 880-111328/3-A	Lab Control Sample Dup	106	99										
LCSD 880-111444/3-A	Lab Control Sample Dup	109	100										
LCSD 880-111453/3-A	Lab Control Sample Dup	144 S1+	146 S1+										
LCSD 880-111501/3-A	Lab Control Sample Dup	90	92										
LCSD 880-112264/3-A	Lab Control Sample Dup	111	110										
LCSD 880-112265/3-A	Lab Control Sample Dup	147 S1+	146 S1+										
LCSD 880-112651/3-A	Lab Control Sample Dup	102	94										
LCSD 880-112819/3-A	Lab Control Sample Dup	102	115										
LCSD 880-112820/3-A	Lab Control Sample Dup	122	118										
LCSD 880-113536/3-A	Lab Control Sample Dup	111	126										
LCSD 880-113941/3-A	Lab Control Sample Dup	100	111										
LCSD 880-114067/3-A	Lab Control Sample Dup	116	103										
LCSD 880-114068/3-A	Lab Control Sample Dup	107	109										
LCSD 880-114193/3-A	Lab Control Sample Dup	98	104										
LCSD 880-114246/3-A	Lab Control Sample Dup	108	107										
MB 880-111118/1-A	Method Blank	66 S1-	70										

Surrogate Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
MB 880-111268/1-A	Method Blank	122	126								
MB 880-111283/1-A	Method Blank	66 S1-	69 S1-								
MB 880-111328/1-A	Method Blank	79	78								
MB 880-111444/1-A	Method Blank	93	98								
MB 880-111453/1-A	Method Blank	95	100								
MB 880-111501/1-A	Method Blank	128	122								
MB 880-112264/1-A	Method Blank	96	102								
MB 880-112265/1-A	Method Blank	114	118								
MB 880-112651/1-A	Method Blank	93	92								
MB 880-112819/1-A	Method Blank	101	105								
MB 880-112820/1-A	Method Blank	105	113								
MB 880-113536/1-A	Method Blank	113	118								
MB 880-113941/1-A	Method Blank	114	113								
MB 880-114067/1-A	Method Blank	115	114								
MB 880-114068/1-A	Method Blank	125	120								
MB 880-114193/1-A	Method Blank	113	109								
MB 880-114246/1-A	Method Blank	103	94								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111261/5-B
Matrix: Solid
Analysis Batch: 111280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 11:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 11:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 11:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/02/25 08:00	06/02/25 11:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:00	06/02/25 11:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/02/25 08:00	06/02/25 11:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/02/25 08:00*	*06/02/25 11:16*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/02/25 08:00*	*06/02/25 11:16*	*1*

Lab Sample ID: LCS 880-111261/1-B
Matrix: Solid
Analysis Batch: 111280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1011		mg/Kg		101	70 - 130
Toluene	0.100	0.08761		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09310		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1962		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09797		mg/Kg		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-111261/2-B
Matrix: Solid
Analysis Batch: 111280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111261

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1031		mg/Kg		103	70 - 130	2	35
Toluene	0.100	0.09171		mg/Kg		92	70 - 130	5	35
Ethylbenzene	0.100	0.09655		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2038		mg/Kg		102	70 - 130	4	35
o-Xylene	0.100	0.1018		mg/Kg		102	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-8256-12 MS
Matrix: Solid
Analysis Batch: 111280

Client Sample ID: B-8-4
Prep Type: Total/NA
Prep Batch: 111261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1037		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.09160		mg/Kg		92	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8256-12 MS
Matrix: Solid
Analysis Batch: 111280

Client Sample ID: B-8-4
Prep Type: Total/NA
Prep Batch: 111261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09674		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2026		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1005		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-8256-12 MSD
Matrix: Solid
Analysis Batch: 111280

Client Sample ID: B-8-4
Prep Type: Total/NA
Prep Batch: 111261

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	0.1112		mg/Kg		111	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09463		mg/Kg		95	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.09909		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2075		mg/Kg		104	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1030		mg/Kg		103	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-111282/5-A
Matrix: Solid
Analysis Batch: 111279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 11:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/02/25 08:18	06/02/25 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/02/25 08:18	06/02/25 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/02/25 08:18	06/02/25 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/02/25 08:18*	*06/02/25 11:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/02/25 08:18*	*06/02/25 11:06*	*1*

Lab Sample ID: LCS 880-111282/1-A
Matrix: Solid
Analysis Batch: 111279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1069		mg/Kg		107	70 - 130
Toluene	0.100	0.09970		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2135		mg/Kg		107	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-111282/1-A
Matrix: Solid
Analysis Batch: 111279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111282

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-111282/2-A
Matrix: Solid
Analysis Batch: 111279

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111282

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	4	35
Toluene			0.100	0.1026		mg/Kg		103	70 - 130	3	35
Ethylbenzene			0.100	0.1065		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2186		mg/Kg		109	70 - 130	2	35
o-Xylene			0.100	0.1110		mg/Kg		111	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8256-1 MS
Matrix: Solid
Analysis Batch: 111279

Client Sample ID: SW-1-0-4
Prep Type: Total/NA
Prep Batch: 111282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09459		mg/Kg		95	70 - 130		
Toluene	<0.00200	U	0.100	0.08708		mg/Kg		87	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09200		mg/Kg		92	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1863		mg/Kg		93	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09405		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-8256-1 MSD
Matrix: Solid
Analysis Batch: 111279

Client Sample ID: SW-1-0-4
Prep Type: Total/NA
Prep Batch: 111282

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	0.09645		mg/Kg		96	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08760		mg/Kg		88	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.08975		mg/Kg		90	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1800		mg/Kg		90	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.08953		mg/Kg		90	70 - 130	5	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8256-1 MSD
Matrix: Solid
Analysis Batch: 111279

Client Sample ID: SW-1-0-4
Prep Type: Total/NA
Prep Batch: 111282

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

Lab Sample ID: MB 880-111472/5-A
Matrix: Solid
Analysis Batch: 111455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/04/25 09:36	06/04/25 11:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 09:36	06/04/25 11:23	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 09:36	06/04/25 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 09:36	06/04/25 11:23	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 09:36	06/04/25 11:23	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 09:36	06/04/25 11:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/04/25 09:36	06/04/25 11:23	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/04/25 09:36	06/04/25 11:23	1

Lab Sample ID: LCS 880-111472/1-A
Matrix: Solid
Analysis Batch: 111455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111472

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1099		mg/Kg		110	70 - 130		
Toluene			0.100	0.1020		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1074		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2186		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1102		mg/Kg		110	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-111472/2-A
Matrix: Solid
Analysis Batch: 111455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111472

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1064		mg/Kg		106	70 - 130	3	35
Toluene			0.100	0.1000		mg/Kg		100	70 - 130	2	35
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2133		mg/Kg		107	70 - 130	2	35
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-111472/2-A
Matrix: Solid
Analysis Batch: 111455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111472

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

Lab Sample ID: 890-8266-1 MS
Matrix: Solid
Analysis Batch: 111455

Client Sample ID: B - 13 - 2'
Prep Type: Total/NA
Prep Batch: 111472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.1067		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0992	0.09448		mg/Kg		95	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.09952		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2019		mg/Kg		102	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1003		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-8266-1 MSD
Matrix: Solid
Analysis Batch: 111455

Client Sample ID: B - 13 - 2'
Prep Type: Total/NA
Prep Batch: 111472

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	0.09889		mg/Kg		99	70 - 130	8	35
Toluene	<0.00199	U	0.100	0.08808		mg/Kg		88	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.100	0.09147		mg/Kg		91	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1835		mg/Kg		92	70 - 130	10	35
o-Xylene	<0.00199	U	0.100	0.09075		mg/Kg		91	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-111474/5-A
Matrix: Solid
Analysis Batch: 111458

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 09:42	06/04/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 09:42	06/04/25 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/04/25 09:42	06/04/25 11:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/04/25 09:42	06/04/25 11:27	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-111474/1-A
Matrix: Solid
Analysis Batch: 111458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111474

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1120		mg/Kg		112	70 - 130		
Toluene			0.100	0.1030		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1058		mg/Kg		106	70 - 130		
m-Xylene & p-Xylene			0.200	0.2026		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09716		mg/Kg		97	70 - 130		

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

Lab Sample ID: LCSD 880-111474/2-A
Matrix: Solid
Analysis Batch: 111458

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111474

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1035		mg/Kg		104	70 - 130	8	35
Toluene			0.100	0.09473		mg/Kg		95	70 - 130	8	35
Ethylbenzene			0.100	0.09471		mg/Kg		95	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.1811		mg/Kg		91	70 - 130	11	35
o-Xylene			0.100	0.08724		mg/Kg		87	70 - 130	11	35

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

Lab Sample ID: 890-8266-6 MS
Matrix: Solid
Analysis Batch: 111458

Client Sample ID: B - 32 - 2'
Prep Type: Total/NA
Prep Batch: 111474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0992	0.09071		mg/Kg		91	70 - 130		
Toluene	<0.00199	U	0.0992	0.07940		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00199	U	0.0992	0.07822		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1502		mg/Kg		76	70 - 130		
o-Xylene	<0.00199	U	0.0992	0.07265		mg/Kg		73	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-8266-6 MSD
Matrix: Solid
Analysis Batch: 111458

Client Sample ID: B - 32 - 2'
Prep Type: Total/NA
Prep Batch: 111474

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	0.1015		mg/Kg		101	70 - 130	11	35
Toluene	<0.00199	U	0.100	0.08892		mg/Kg		89	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.100	0.09017		mg/Kg		90	70 - 130	14	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8266-6 MSD — **Client Sample ID: B - 32 - 2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111458 — **Prep Batch: 111474**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1731		mg/Kg		86	70 - 130	14	35
o-Xylene	<0.00199	U	0.100	0.08341		mg/Kg		83	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-111487/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111456 — **Prep Batch: 111487**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/04/25 10:29	06/04/25 12:14	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/04/25 10:29	06/04/25 12:14	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/04/25 10:29	06/04/25 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 10:29	06/04/25 12:14	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/04/25 10:29	06/04/25 12:14	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/04/25 10:29	06/04/25 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*06/04/25 10:29*	*06/04/25 12:14*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/04/25 10:29*	*06/04/25 12:14*	*1*

Lab Sample ID: LCS 880-111487/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111456 — **Prep Batch: 111487**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1255		mg/Kg		126	70 - 130
Toluene	0.100	0.1105		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1138		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2299		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1156		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-111487/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111456 — **Prep Batch: 111487**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1298		mg/Kg		130	70 - 130	3	35
Toluene	0.100	0.1165		mg/Kg		117	70 - 130	5	35
Ethylbenzene	0.100	0.1211		mg/Kg		121	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2450		mg/Kg		123	70 - 130	6	35
o-Xylene	0.100	0.1230		mg/Kg		123	70 - 130	6	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-8260-1 MS
Matrix: Solid
Analysis Batch: 111456

Client Sample ID: SW - 10 - 0 - 2'
Prep Type: Total/NA
Prep Batch: 111487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1145		mg/Kg		114	70 - 130
Toluene	<0.00200	U	0.100	0.1085		mg/Kg		108	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1143		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2345		mg/Kg		117	70 - 130
o-Xylene	<0.00200	U	0.100	0.1180		mg/Kg		118	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 890-8260-1 MSD
Matrix: Solid
Analysis Batch: 111456

Client Sample ID: SW - 10 - 0 - 2'
Prep Type: Total/NA
Prep Batch: 111487

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	0.1137		mg/Kg		114	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.1112		mg/Kg		111	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1190		mg/Kg		119	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2430		mg/Kg		122	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.1217		mg/Kg		122	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: MB 880-111561/5-A
Matrix: Solid
Analysis Batch: 111547

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/05/25 09:08	06/05/25 10:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/25 09:08	06/05/25 10:55	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-111561/1-A
Matrix: Solid
Analysis Batch: 111547

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111561

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1015		mg/Kg		101	70 - 130		
Toluene			0.100	0.09437		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.1008		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2032		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1020		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-111561/2-A
Matrix: Solid
Analysis Batch: 111547

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111561

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1030		mg/Kg		103	70 - 130	1	35
Toluene			0.100	0.09433		mg/Kg		94	70 - 130	0	35
Ethylbenzene			0.100	0.1013		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2045		mg/Kg		102	70 - 130	1	35
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-8268-1 MS
Matrix: Solid
Analysis Batch: 111547

Client Sample ID: BACKFILL
Prep Type: Total/NA
Prep Batch: 111561

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0992	0.09671		mg/Kg		97	70 - 130		
Toluene	<0.00199	U	0.0992	0.09116		mg/Kg		92	70 - 130		
Ethylbenzene	<0.00199	U	0.0992	0.09596		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1945		mg/Kg		98	70 - 130		
o-Xylene	<0.00199	U	0.0992	0.09720		mg/Kg		98	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-8268-1 MSD
Matrix: Solid
Analysis Batch: 111547

Client Sample ID: BACKFILL
Prep Type: Total/NA
Prep Batch: 111561

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	0.09875		mg/Kg		99	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.08900		mg/Kg		89	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.09759		mg/Kg		97	70 - 130	2	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8268-1 MSD
Matrix: Solid
Analysis Batch: 111547

Client Sample ID: BACKFILL
Prep Type: Total/NA
Prep Batch: 111561

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1993		mg/Kg		99	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.09874		mg/Kg		99	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-112268/5-A
Matrix: Solid
Analysis Batch: 112272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/16/25 08:24	06/16/25 11:28	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/16/25 08:24	06/16/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/16/25 08:24	06/16/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:24	06/16/25 11:28	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/16/25 08:24	06/16/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:24	06/16/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/16/25 08:24*	*06/16/25 11:28*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/16/25 08:24*	*06/16/25 11:28*	*1*

Lab Sample ID: LCS 880-112268/1-A
Matrix: Solid
Analysis Batch: 112272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1435	*+	mg/Kg		143	70 - 130
Toluene	0.100	0.08263		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.07813		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.200	0.1484		mg/Kg		74	70 - 130
o-Xylene	0.100	0.07503		mg/Kg		75	70 - 130

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

Lab Sample ID: LCSD 880-112268/2-A
Matrix: Solid
Analysis Batch: 112272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112268

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1508	*+	mg/Kg		151	70 - 130	5	35
Toluene	0.100	0.08462		mg/Kg		85	70 - 130	2	35
Ethylbenzene	0.100	0.08185		mg/Kg		82	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1534		mg/Kg		77	70 - 130	3	35
o-Xylene	0.100	0.07658		mg/Kg		77	70 - 130	2	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

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

Lab Sample ID: 890-8292-1 MS
Matrix: Solid
Analysis Batch: 112272

Client Sample ID: B - 35 - 2'
Prep Type: Total/NA
Prep Batch: 112268

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *+	0.100	0.09569		mg/Kg		96	70 - 130
Toluene	<0.00200	U	0.100	0.08896		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09400		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1920		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09610		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-8292-1 MSD
Matrix: Solid
Analysis Batch: 112272

Client Sample ID: B - 35 - 2'
Prep Type: Total/NA
Prep Batch: 112268

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	0.09585		mg/Kg		96	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.08734		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09246		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1899		mg/Kg		95	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09548		mg/Kg		95	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-112269/5-A
Matrix: Solid
Analysis Batch: 112274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/16/25 08:27	06/16/25 11:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/16/25 08:27	06/16/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/16/25 08:27	06/16/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:27	06/16/25 11:32	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/16/25 08:27	06/16/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:27	06/16/25 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/16/25 08:27	06/16/25 11:32	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/16/25 08:27	06/16/25 11:32	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-112269/1-A
Matrix: Solid
Analysis Batch: 112274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09812		mg/Kg		98	70 - 130		
Toluene			0.100	0.08843		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.09363		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1969		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09783		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-112269/2-A
Matrix: Solid
Analysis Batch: 112274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09330		mg/Kg		93	70 - 130	5	35
Toluene			0.100	0.08469		mg/Kg		85	70 - 130	4	35
Ethylbenzene			0.100	0.08998		mg/Kg		90	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1896		mg/Kg		95	70 - 130	4	35
o-Xylene			0.100	0.09463		mg/Kg		95	70 - 130	3	35

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

Lab Sample ID: 890-8292-8 MS
Matrix: Solid
Analysis Batch: 112274

Client Sample ID: B - 42 - 2'
Prep Type: Total/NA
Prep Batch: 112269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1025		mg/Kg		102	70 - 130		
Toluene	<0.00200	U	0.100	0.09020		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09335		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1932		mg/Kg		97	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09520		mg/Kg		95	70 - 130		

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

Lab Sample ID: 890-8292-8 MSD
Matrix: Solid
Analysis Batch: 112274

Client Sample ID: B - 42 - 2'
Prep Type: Total/NA
Prep Batch: 112269

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	0.1099		mg/Kg		110	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09031		mg/Kg		90	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.09183		mg/Kg		92	70 - 130	2	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8292-8 MSD — **Client Sample ID: B - 42 - 2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112274 — **Prep Batch: 112269**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1868		mg/Kg		93	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09228		mg/Kg		92	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-112270/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112273 — **Prep Batch: 112270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/16/25 08:28	06/16/25 11:33	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/16/25 08:28	06/16/25 11:33	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/16/25 08:28	06/16/25 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:28	06/16/25 11:33	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/16/25 08:28	06/16/25 11:33	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:28	06/16/25 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:28*	*06/16/25 11:33*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:28*	*06/16/25 11:33*	*1*

Lab Sample ID: LCS 880-112270/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112273 — **Prep Batch: 112270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07663		mg/Kg		77	70 - 130
Toluene	0.100	0.06751	*-	mg/Kg		68	70 - 130
Ethylbenzene	0.100	0.07207		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	0.200	0.1462		mg/Kg		73	70 - 130
o-Xylene	0.100	0.07580		mg/Kg		76	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-112270/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112273 — **Prep Batch: 112270**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.06700	*-	mg/Kg		67	70 - 130	13	35
Toluene	0.100	0.06065	*-	mg/Kg		61	70 - 130	11	35
Ethylbenzene	0.100	0.06468	*-	mg/Kg		65	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1322	*-	mg/Kg		66	70 - 130	10	35
o-Xylene	0.100	0.06920	*-	mg/Kg		69	70 - 130	9	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-8292-15 MS — **Client Sample ID: B - 47 - 2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112273 — **Prep Batch: 112270**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *-	0.100	0.1093		mg/Kg		109	70 - 130
Toluene	<0.00200	U *-	0.100	0.09279		mg/Kg		93	70 - 130
Ethylbenzene	<0.00200	U *-	0.100	0.09749		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00401	U *-	0.200	0.1956		mg/Kg		98	70 - 130
o-Xylene	<0.00200	U *-	0.100	0.09837		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-8292-15 MSD — **Client Sample ID: B - 47 - 2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112273 — **Prep Batch: 112270**

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	0.1096		mg/Kg		110	70 - 130	0	35
Toluene	<0.00200	U *-	0.100	0.09201		mg/Kg		92	70 - 130	1	35
Ethylbenzene	<0.00200	U *-	0.100	0.09569		mg/Kg		96	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U *-	0.200	0.1908		mg/Kg		95	70 - 130	2	35
o-Xylene	<0.00200	U *-	0.100	0.09597		mg/Kg		96	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-112271/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112159 — **Prep Batch: 112271**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/16/25 08:30	06/16/25 11:40	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/16/25 08:30	06/16/25 11:40	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/16/25 08:30	06/16/25 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:30	06/16/25 11:40	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/16/25 08:30	06/16/25 11:40	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/16/25 08:30	06/16/25 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/16/25 08:30	06/16/25 11:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/16/25 08:30	06/16/25 11:40	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-112271/1-A
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07577		mg/Kg		76	70 - 130		
Toluene			0.100	0.07497		mg/Kg		75	70 - 130		
Ethylbenzene			0.100	0.07347		mg/Kg		73	70 - 130		
m-Xylene & p-Xylene			0.200	0.1332	*-	mg/Kg		67	70 - 130		
o-Xylene			0.100	0.06829	*-	mg/Kg		68	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-112271/2-A
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07398		mg/Kg		74	70 - 130	2	35
Toluene			0.100	0.07565		mg/Kg		76	70 - 130	1	35
Ethylbenzene			0.100	0.07369		mg/Kg		74	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1318	*-	mg/Kg		66	70 - 130	1	35
o-Xylene			0.100	0.06841	*-	mg/Kg		68	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8292-22 MS
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: B - 54 - 2'
Prep Type: Total/NA
Prep Batch: 112271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09278		mg/Kg		93	70 - 130		
Toluene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1092		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene	<0.00401	U *-	0.200	0.1927		mg/Kg		96	70 - 130		
o-Xylene	<0.00200	U *-	0.100	0.09613		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8292-22 MSD
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: B - 54 - 2'
Prep Type: Total/NA
Prep Batch: 112271

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	0.08368		mg/Kg		84	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.08260		mg/Kg		83	70 - 130	20	35
Ethylbenzene	<0.00200	U	0.100	0.08028		mg/Kg		80	70 - 130	31	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8292-22 MSD
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: B - 54 - 2'
Prep Type: Total/NA
Prep Batch: 112271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00401	U *-	0.200	0.1693		mg/Kg		85	70 - 130	13	35
o-Xylene	<0.00200	U *-	0.100	0.08367		mg/Kg		84	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 880-112665/5-A
Matrix: Solid
Analysis Batch: 112654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112665

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/20/25 09:14	06/20/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/20/25 09:14	06/20/25 11:32	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/20/25 09:14	06/20/25 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/20/25 09:14*	*06/20/25 11:32*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/20/25 09:14*	*06/20/25 11:32*	*1*

Lab Sample ID: LCS 880-112665/1-A
Matrix: Solid
Analysis Batch: 112654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112665

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	0.100	0.09715		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2037		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-112665/2-A
Matrix: Solid
Analysis Batch: 112654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112665

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	1	35
Toluene	0.100	0.09543		mg/Kg		95	70 - 130	2	35
Ethylbenzene	0.100	0.09910		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2005		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	2	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-59525-1 MS
Matrix: Solid
Analysis Batch: 112654

Client Sample ID: B-58-2'
Prep Type: Total/NA
Prep Batch: 112665

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.100	0.09608		mg/Kg		96	70 - 130
Toluene	<0.00198	U	0.100	0.08755		mg/Kg		88	70 - 130
Ethylbenzene	<0.00198	U	0.100	0.09131		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1861		mg/Kg		93	70 - 130
o-Xylene	<0.00198	U	0.100	0.09494		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-59525-1 MSD
Matrix: Solid
Analysis Batch: 112654

Client Sample ID: B-58-2'
Prep Type: Total/NA
Prep Batch: 112665

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09744		mg/Kg		97	70 - 130	1	35
Toluene	<0.00198	U	0.100	0.09108		mg/Kg		91	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.100	0.09248		mg/Kg		92	70 - 130	1	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1876		mg/Kg		94	70 - 130	1	35
o-Xylene	<0.00198	U	0.100	0.09551		mg/Kg		96	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-112667/5-A
Matrix: Solid
Analysis Batch: 112655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/20/25 09:20	06/20/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/20/25 09:20	06/20/25 11:42	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/20/25 09:20	06/20/25 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/20/25 09:20	06/20/25 11:42	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/20/25 09:20	06/20/25 11:42	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-112667/1-A
Matrix: Solid
Analysis Batch: 112655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112667

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1292		mg/Kg		129	70 - 130		
Toluene			0.100	0.1057		mg/Kg		106	70 - 130		
Ethylbenzene			0.100	0.1081		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.2145		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1067		mg/Kg		107	70 - 130		

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

Lab Sample ID: LCSD 880-112667/2-A
Matrix: Solid
Analysis Batch: 112655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112667

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1185		mg/Kg		118	70 - 130	9	35
Toluene			0.100	0.1036		mg/Kg		104	70 - 130	2	35
Ethylbenzene			0.100	0.1091		mg/Kg		109	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2231		mg/Kg		112	70 - 130	4	35
o-Xylene			0.100	0.1119		mg/Kg		112	70 - 130	5	35

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

Lab Sample ID: 880-59525-4 MS
Matrix: Solid
Analysis Batch: 112655

Client Sample ID: B-60-2'
Prep Type: Total/NA
Prep Batch: 112667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.100	0.1216		mg/Kg		122	70 - 130		
Toluene	<0.00198	U	0.100	0.1004		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00198	U	0.100	0.1022		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2033		mg/Kg		102	70 - 130		
o-Xylene	<0.00198	U	0.100	0.1016		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-59525-4 MSD
Matrix: Solid
Analysis Batch: 112655

Client Sample ID: B-60-2'
Prep Type: Total/NA
Prep Batch: 112667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1246		mg/Kg		125	70 - 130	2	35
Toluene	<0.00198	U	0.100	0.1029		mg/Kg		103	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.100	0.1044		mg/Kg		104	70 - 130	2	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 880-59525-4 MSD
Matrix: Solid
Analysis Batch: 112655

Client Sample ID: B-60-2'
Prep Type: Total/NA
Prep Batch: 112667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2071		mg/Kg		104	70 - 130	2	35
o-Xylene	<0.00198	U	0.100	0.1033		mg/Kg		103	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-112668/5-A
Matrix: Solid
Analysis Batch: 112656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/20/25 09:29	06/20/25 11:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/20/25 09:29	06/20/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/20/25 09:29	06/20/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/20/25 09:29	06/20/25 11:42	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/20/25 09:29	06/20/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/20/25 09:29	06/20/25 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/20/25 09:29*	*06/20/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/20/25 09:29*	*06/20/25 11:42*	*1*

Lab Sample ID: LCS 880-112668/1-A
Matrix: Solid
Analysis Batch: 112656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1089		mg/Kg		109	70 - 130
Toluene	0.100	0.09616		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09969		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2076		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-112668/2-A
Matrix: Solid
Analysis Batch: 112656

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112668

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1101		mg/Kg		110	70 - 130	1	35
Toluene	0.100	0.09947		mg/Kg		99	70 - 130	3	35
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2166		mg/Kg		108	70 - 130	4	35
o-Xylene	0.100	0.1069		mg/Kg		107	70 - 130	5	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-59525-7 MS — **Client Sample ID: SW-21--0-2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112656 — **Prep Batch: 112668**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.100	0.09171		mg/Kg		92	70 - 130
Toluene	<0.00198	U	0.100	0.08194		mg/Kg		82	70 - 130
Ethylbenzene	<0.00198	U	0.100	0.08432		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1767		mg/Kg		88	70 - 130
o-Xylene	<0.00198	U	0.100	0.08748		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-59525-7 MSD — **Client Sample ID: SW-21--0-2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112656 — **Prep Batch: 112668**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09831		mg/Kg		98	70 - 130	7	35
Toluene	<0.00198	U	0.100	0.08929		mg/Kg		89	70 - 130	9	35
Ethylbenzene	<0.00198	U	0.100	0.09215		mg/Kg		92	70 - 130	9	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1933		mg/Kg		97	70 - 130	9	35
o-Xylene	<0.00198	U	0.100	0.09589		mg/Kg		96	70 - 130	9	35

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

Lab Sample ID: MB 880-112837/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112839 — **Prep Batch: 112837**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/24/25 08:13	06/24/25 11:21	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/24/25 08:13	06/24/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/24/25 08:13	06/24/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:13	06/24/25 11:21	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/24/25 08:13	06/24/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:13	06/24/25 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/24/25 08:13	06/24/25 11:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/25 08:13	06/24/25 11:21	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-112837/1-A
Matrix: Solid
Analysis Batch: 112839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112837

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1076		mg/Kg		108	70 - 130		
Toluene			0.100	0.09299		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09858		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2072		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1027		mg/Kg		103	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 880-112837/2-A
Matrix: Solid
Analysis Batch: 112839

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1089		mg/Kg		109	70 - 130	1	35
Toluene			0.100	0.09418		mg/Kg		94	70 - 130	1	35
Ethylbenzene			0.100	0.1003		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130	2	35
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130	1	35

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

Lab Sample ID: 890-8341-1 MS
Matrix: Solid
Analysis Batch: 112839

Client Sample ID: SW-22-0-2
Prep Type: Total/NA
Prep Batch: 112837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09343		mg/Kg		93	70 - 130		
Toluene	<0.00200	U	0.100	0.08468		mg/Kg		85	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08977		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1876		mg/Kg		94	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09209		mg/Kg		92	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-8341-1 MSD
Matrix: Solid
Analysis Batch: 112839

Client Sample ID: SW-22-0-2
Prep Type: Total/NA
Prep Batch: 112837

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	0.09366		mg/Kg		94	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.08570		mg/Kg		86	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09073		mg/Kg		91	70 - 130	1	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8341-1 MSD
Matrix: Solid
Analysis Batch: 112839

Client Sample ID: SW-22-0-2
Prep Type: Total/NA
Prep Batch: 112837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1892		mg/Kg		95	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09281		mg/Kg		93	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-112846/5-A
Matrix: Solid
Analysis Batch: 112841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/24/25 08:22	06/24/25 12:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/24/25 08:22	06/24/25 12:13	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/24/25 08:22	06/24/25 12:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:22	06/24/25 12:13	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/24/25 08:22	06/24/25 12:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:22	06/24/25 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*06/24/25 08:22*	*06/24/25 12:13*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/24/25 08:22*	*06/24/25 12:13*	*1*

Lab Sample ID: LCS 880-112846/1-A
Matrix: Solid
Analysis Batch: 112841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08672		mg/Kg		87	70 - 130
Toluene	0.100	0.08709		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08735		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1571		mg/Kg		79	70 - 130
o-Xylene	0.100	0.07920		mg/Kg		79	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-112846/2-A
Matrix: Solid
Analysis Batch: 112841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09236		mg/Kg		92	70 - 130	6	35
Toluene	0.100	0.09619		mg/Kg		96	70 - 130	10	35
Ethylbenzene	0.100	0.1010		mg/Kg		101	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1825		mg/Kg		91	70 - 130	15	35
o-Xylene	0.100	0.09286		mg/Kg		93	70 - 130	16	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-8341-5 MS
Matrix: Solid
Analysis Batch: 112841

Client Sample ID: B-66-2
Prep Type: Total/NA
Prep Batch: 112846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09850		mg/Kg		99	70 - 130		
Toluene	<0.00200	U	0.100	0.1001		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1015		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2139		mg/Kg		107	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1058		mg/Kg		106	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-8341-5 MSD
Matrix: Solid
Analysis Batch: 112841

Client Sample ID: B-66-2
Prep Type: Total/NA
Prep Batch: 112846

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	0.08636		mg/Kg		86	70 - 130	13	35
Toluene	<0.00200	U	0.100	0.09302		mg/Kg		93	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.1030		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1790		mg/Kg		90	70 - 130	18	35
o-Xylene	<0.00200	U	0.100	0.08932		mg/Kg		89	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-112849/5-A
Matrix: Solid
Analysis Batch: 112844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/24/25 08:31	06/24/25 11:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/24/25 08:31	06/24/25 11:10	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/24/25 08:31	06/24/25 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:31	06/24/25 11:10	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/24/25 08:31	06/24/25 11:10	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:31	06/24/25 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/24/25 08:31	06/24/25 11:10	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/24/25 08:31	06/24/25 11:10	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-112849/1-A
Matrix: Solid
Analysis Batch: 112844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112849

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1083		mg/Kg		108	70 - 130		
Toluene			0.100	0.1030		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1040		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene			0.200	0.2153		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1089		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-112849/2-A
Matrix: Solid
Analysis Batch: 112844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112849

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1048		mg/Kg		105	70 - 130	3	35
Toluene			0.100	0.1003		mg/Kg		100	70 - 130	3	35
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2134		mg/Kg		107	70 - 130	1	35
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 890-8341-11 MS
Matrix: Solid
Analysis Batch: 112844

Client Sample ID: B-72-2
Prep Type: Total/NA
Prep Batch: 112849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09432		mg/Kg		94	70 - 130		
Toluene	<0.00200	U	0.100	0.08987		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09173		mg/Kg		92	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1889		mg/Kg		94	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09470		mg/Kg		95	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-8341-11 MSD
Matrix: Solid
Analysis Batch: 112844

Client Sample ID: B-72-2
Prep Type: Total/NA
Prep Batch: 112849

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	0.08780		mg/Kg		88	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.08235		mg/Kg		82	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.08654		mg/Kg		87	70 - 130	6	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8341-11 MSD
Matrix: Solid
Analysis Batch: 112844

Client Sample ID: B-72-2
Prep Type: Total/NA
Prep Batch: 112849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1782		mg/Kg		89	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.09006		mg/Kg		90	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: MB 880-112851/5-A
Matrix: Solid
Analysis Batch: 112838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/24/25 08:32	06/24/25 11:21	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/24/25 08:32	06/24/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/24/25 08:32	06/24/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:32	06/24/25 11:21	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/24/25 08:32	06/24/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/24/25 08:32	06/24/25 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/24/25 08:32*	*06/24/25 11:21*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/24/25 08:32*	*06/24/25 11:21*	*1*

Lab Sample ID: LCS 880-112851/1-A
Matrix: Solid
Analysis Batch: 112838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1130		mg/Kg		113	70 - 130
Toluene	0.100	0.09291		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09667		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1933		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09741		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-112851/2-A
Matrix: Solid
Analysis Batch: 112838

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112851

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1115		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.09259		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.09647		mg/Kg		96	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1929		mg/Kg		96	70 - 130	0	35
o-Xylene	0.100	0.09769		mg/Kg		98	70 - 130	0	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-8341-8 MS
Matrix: Solid
Analysis Batch: 112838

Client Sample ID: B-69-2
Prep Type: Total/NA
Prep Batch: 112851

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00365		0.100	0.1163		mg/Kg		113	70 - 130
Toluene	0.0287		0.100	0.1163		mg/Kg		88	70 - 130
Ethylbenzene	0.00579		0.100	0.1027		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.0667		0.200	0.2469		mg/Kg		90	70 - 130
o-Xylene	0.0210		0.100	0.1141		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-8341-8 MSD
Matrix: Solid
Analysis Batch: 112838

Client Sample ID: B-69-2
Prep Type: Total/NA
Prep Batch: 112851

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00365		0.100	0.1280		mg/Kg		124	70 - 130	10	35
Toluene	0.0287		0.100	0.1257		mg/Kg		97	70 - 130	8	35
Ethylbenzene	0.00579		0.100	0.1106		mg/Kg		105	70 - 130	7	35
m-Xylene & p-Xylene	0.0667		0.200	0.2656		mg/Kg		99	70 - 130	7	35
o-Xylene	0.0210		0.100	0.1220		mg/Kg		101	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-113513/5-A
Matrix: Solid
Analysis Batch: 113510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 08:49	07/02/25 11:20	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 08:49	07/02/25 11:20	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 08:49	07/02/25 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 08:49	07/02/25 11:20	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/02/25 08:49	07/02/25 11:20	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 08:49	07/02/25 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/02/25 08:49	07/02/25 11:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/02/25 08:49	07/02/25 11:20	1

QC Sample Results

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-113513/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113510 — **Prep Batch: 113513**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09493		mg/Kg		95	70 - 130		
Toluene			0.100	0.08515		mg/Kg		85	70 - 130		
Ethylbenzene			0.100	0.09007		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1814		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09131		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-113513/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113510 — **Prep Batch: 113513**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09157		mg/Kg		92	70 - 130	4	35
Toluene			0.100	0.08324		mg/Kg		83	70 - 130	2	35
Ethylbenzene			0.100	0.08853		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1783		mg/Kg		89	70 - 130	2	35
o-Xylene			0.100	0.08946		mg/Kg		89	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-113516/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113511 — **Prep Batch: 113516**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 09:26	07/02/25 11:31	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 09:26	07/02/25 11:31	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 09:26	07/02/25 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 09:26	07/02/25 11:31	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/02/25 09:26	07/02/25 11:31	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 09:26	07/02/25 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/02/25 09:26*	*07/02/25 11:31*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/02/25 09:26*	*07/02/25 11:31*	*1*

Lab Sample ID: LCS 880-113516/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113511 — **Prep Batch: 113516**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08575		mg/Kg		86	70 - 130		
Toluene			0.100	0.08549		mg/Kg		85	70 - 130		

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-113516/1-A
Matrix: Solid
Analysis Batch: 113511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.09806		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1964		mg/Kg		98	70 - 130
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-113516/2-A
Matrix: Solid
Analysis Batch: 113511

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09568		mg/Kg		96	70 - 130	11	35
Toluene	0.100	0.08827		mg/Kg		88	70 - 130	3	35
Ethylbenzene	0.100	0.09752		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1916		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-113533/5-A
Matrix: Solid
Analysis Batch: 113512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113533

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/02/25 10:04	07/02/25 13:49	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/02/25 10:04	07/02/25 13:49	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/02/25 10:04	07/02/25 13:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:04	07/02/25 13:49	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/02/25 10:04	07/02/25 13:49	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/02/25 10:04	07/02/25 13:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/02/25 10:04*	*07/02/25 13:49*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/02/25 10:04*	*07/02/25 13:49*	*1*

Lab Sample ID: LCS 880-113533/1-A
Matrix: Solid
Analysis Batch: 113512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113533

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08766		mg/Kg		88	70 - 130
Toluene	0.100	0.08816		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09688		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-113533/1-A
Matrix: Solid
Analysis Batch: 113512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113533

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1003		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-113533/2-A
Matrix: Solid
Analysis Batch: 113512

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113533

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08730		mg/Kg		87	70 - 130	0	35
Toluene			0.100	0.08909		mg/Kg		89	70 - 130	1	35
Ethylbenzene			0.100	0.1003		mg/Kg		100	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2053		mg/Kg		103	70 - 130	4	35
o-Xylene			0.100	0.1037		mg/Kg		104	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-59967-10 MS
Matrix: Solid
Analysis Batch: 113512

Client Sample ID: SW-29-0-4'
Prep Type: Total/NA
Prep Batch: 113533

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08418		mg/Kg		84	70 - 130		
Toluene	<0.00200	U	0.100	0.08299		mg/Kg		83	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09260		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1900		mg/Kg		95	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09539		mg/Kg		95	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-59967-10 MSD
Matrix: Solid
Analysis Batch: 113512

Client Sample ID: SW-29-0-4'
Prep Type: Total/NA
Prep Batch: 113533

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	0.08198		mg/Kg		82	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08262		mg/Kg		83	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.09335		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1917		mg/Kg		96	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09633		mg/Kg		96	70 - 130	1	35

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 880-59967-10 MSD
Matrix: Solid
Analysis Batch: 113512

Client Sample ID: SW-29-0-4'
Prep Type: Total/NA
Prep Batch: 113533

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-113945/5-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/11/25 08:12	07/11/25 11:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/11/25 08:12	07/11/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/11/25 08:12	07/11/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/11/25 08:12	07/11/25 11:26	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/11/25 08:12	07/11/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/11/25 08:12	07/11/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/11/25 08:12	07/11/25 11:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/11/25 08:12	07/11/25 11:26	1

Lab Sample ID: LCS 880-113945/1-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113945

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	0.1031		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1118		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2236		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1141		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-113945/2-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113945

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1086		mg/Kg		109	70 - 130	3	35
Toluene	0.100	0.1024		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2280		mg/Kg		114	70 - 130	2	35
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-113945/2-A
Matrix: Solid
Analysis Batch: 113944

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113945

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

Lab Sample ID: MB 880-113951/5-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/11/25 08:30	07/11/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/11/25 08:30	07/11/25 11:15	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/11/25 08:30	07/11/25 11:15	1

Lab Sample ID: MB 880-113987/5-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/11/25 10:30	07/11/25 22:40	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/11/25 10:30	07/11/25 22:40	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/11/25 10:30	07/11/25 22:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/11/25 10:30	07/11/25 22:40	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/11/25 10:30	07/11/25 22:40	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/11/25 10:30	07/11/25 22:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/11/25 10:30	07/11/25 22:40	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/11/25 10:30	07/11/25 22:40	1

Lab Sample ID: LCS 880-113987/1-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09412		mg/Kg		94	70 - 130
Toluene	0.100	0.08665		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09613		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1950		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09873		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-113987/1-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113987

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

Lab Sample ID: LCSD 880-113987/2-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113987

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08821		mg/Kg		88	70 - 130	6	35
Toluene			0.100	0.08717		mg/Kg		87	70 - 130	1	35
Ethylbenzene			0.100	0.09648		mg/Kg		96	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1959		mg/Kg		98	70 - 130	0	35
o-Xylene			0.100	0.09919		mg/Kg		99	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-114076/5-A
Matrix: Solid
Analysis Batch: 114062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/14/25 09:06	07/14/25 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	07/14/25 09:06	07/14/25 11:55	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/14/25 09:06	07/14/25 11:55	1

Lab Sample ID: LCS 880-114076/1-A
Matrix: Solid
Analysis Batch: 114062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114076

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09363		mg/Kg		94	70 - 130
Toluene			0.100	0.09917		mg/Kg		99	70 - 130
Ethylbenzene			0.100	0.09965		mg/Kg		100	70 - 130
m-Xylene & p-Xylene			0.200	0.1989		mg/Kg		99	70 - 130
o-Xylene			0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-114076/2-A
Matrix: Solid
Analysis Batch: 114062

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114076

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1060		mg/Kg		106	70 - 130	12	35
Toluene			0.100	0.1052		mg/Kg		105	70 - 130	6	35
Ethylbenzene			0.100	0.1033		mg/Kg		103	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2023		mg/Kg		101	70 - 130	2	35
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-8448-1 MS
Matrix: Solid
Analysis Batch: 114062

Client Sample ID: B-91-2
Prep Type: Total/NA
Prep Batch: 114076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09634		mg/Kg		96	70 - 130
Toluene	<0.00200	U	0.100	0.09524		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09232		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1798		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.09038		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8448-1 MSD
Matrix: Solid
Analysis Batch: 114062

Client Sample ID: B-91-2
Prep Type: Total/NA
Prep Batch: 114076

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	0.09675		mg/Kg		97	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09554		mg/Kg		96	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.09231		mg/Kg		92	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1794		mg/Kg		90	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09028		mg/Kg		90	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 880-114247/5-A
Matrix: Solid
Analysis Batch: 114245

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/16/25 08:51	07/16/25 13:08	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/16/25 08:51	07/16/25 13:08	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/16/25 08:51	07/16/25 13:08	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-114247/5-A
Matrix: Solid
Analysis Batch: 114245

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/16/25 08:51	07/16/25 13:08	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/16/25 08:51	07/16/25 13:08	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/16/25 08:51	07/16/25 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/16/25 08:51*	*07/16/25 13:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/16/25 08:51*	*07/16/25 13:08*	*1*

Lab Sample ID: LCS 880-114247/1-A
Matrix: Solid
Analysis Batch: 114245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0998	0.04849	*-	mg/Kg		49	70 - 130
Toluene	0.0998	0.04804	*-	mg/Kg		48	70 - 130
Ethylbenzene	0.0998	0.04576	*-	mg/Kg		46	70 - 130
m-Xylene & p-Xylene	0.200	0.09726	*-	mg/Kg		49	70 - 130
o-Xylene	0.0998	0.03846	*-	mg/Kg		39	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*30*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*

Lab Sample ID: LCSD 880-114247/2-A
Matrix: Solid
Analysis Batch: 114245

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.06855	*-	mg/Kg		68	70 - 130	34	35
Toluene	0.100	0.06749	*-	mg/Kg		67	70 - 130	34	35
Ethylbenzene	0.100	0.06173	*-	mg/Kg		61	70 - 130	30	35
m-Xylene & p-Xylene	0.201	0.1568	*1	mg/Kg		78	70 - 130	47	35
o-Xylene	0.100	0.07688	*1	mg/Kg		77	70 - 130	67	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-8450-1 MS
Matrix: Solid
Analysis Batch: 114245

Client Sample ID: B - 97 - 2'
Prep Type: Total/NA
Prep Batch: 114247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *-	0.100	0.08493		mg/Kg		85	70 - 130
Toluene	<0.00201	U *-	0.100	0.08593		mg/Kg		86	70 - 130
Ethylbenzene	<0.00201	U *-	0.100	0.08696		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U *- *1	0.201	0.2213		mg/Kg		110	70 - 130
o-Xylene	<0.00201	U *- *1	0.100	0.1007		mg/Kg		100	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-8450-1 MSD — **Client Sample ID: B - 97 - 2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114245 — **Prep Batch: 114247**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *-	0.101	0.09815		mg/Kg		97	70 - 130	14	35
Toluene	<0.00201	U *-	0.101	0.09722		mg/Kg		96	70 - 130	12	35
Ethylbenzene	<0.00201	U *-	0.101	0.1140		mg/Kg		113	70 - 130	27	35
m-Xylene & p-Xylene	<0.00402	U *- *1	0.202	0.2423		mg/Kg		120	70 - 130	9	35
o-Xylene	<0.00201	U *- *1	0.101	0.1114		mg/Kg		110	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-114313/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114315 — **Prep Batch: 114313**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/17/25 08:08	07/17/25 11:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/17/25 08:08	07/17/25 11:13	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/17/25 08:08	07/17/25 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/17/25 08:08	07/17/25 11:13	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/17/25 08:08	07/17/25 11:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/17/25 08:08	07/17/25 11:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/17/25 08:08	07/17/25 11:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/17/25 08:08	07/17/25 11:13	1

Lab Sample ID: LCS 880-114313/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114315 — **Prep Batch: 114313**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08355		mg/Kg		84	70 - 130
Toluene	0.100	0.07559		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.08116		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1608		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08241		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-114313/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114315 — **Prep Batch: 114313**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07772		mg/Kg		78	70 - 130	7	35
Toluene			0.100	0.07003		mg/Kg		70	70 - 130	8	35
Ethylbenzene			0.100	0.07558		mg/Kg		76	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1501		mg/Kg		75	70 - 130	7	35
o-Xylene			0.100	0.07711		mg/Kg		77	70 - 130	7	35

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

Lab Sample ID: 890-8450-7 MS — **Client Sample ID: B - 109 - 2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114315 — **Prep Batch: 114313**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09141		mg/Kg		91	70 - 130
Toluene	<0.00202	U	0.100	0.08150		mg/Kg		82	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.08758		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1724		mg/Kg		86	70 - 130
o-Xylene	<0.00202	U	0.100	0.08739		mg/Kg		87	70 - 130

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

Lab Sample ID: 890-8450-7 MSD — **Client Sample ID: B - 109 - 2'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114315 — **Prep Batch: 114313**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09492		mg/Kg		95	70 - 130	4	35
Toluene	<0.00202	U	0.100	0.08309		mg/Kg		83	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.100	0.08804		mg/Kg		88	70 - 130	1	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1725		mg/Kg		86	70 - 130	0	35
o-Xylene	<0.00202	U	0.100	0.08729		mg/Kg		87	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-111118/1-A
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111118

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		05/29/25 11:26	06/02/25 12:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/25 11:26	06/02/25 12:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/25 11:26	06/02/25 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*05/29/25 11:26*	*06/02/25 12:50*	*1*
o-Terphenyl	*70*		*70 - 130*	*05/29/25 11:26*	*06/02/25 12:50*	*1*

Lab Sample ID: LCS 880-111118/2-A
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	788.9		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	917.1		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: LCSD 880-111118/3-A
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111118

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	850.4		mg/Kg		85	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	931.7		mg/Kg		93	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: MB 880-111268/1-A
Matrix: Solid
Analysis Batch: 111334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111268

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		05/30/25 15:19	06/02/25 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/30/25 15:19	06/02/25 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/30/25 15:19	06/02/25 13:06	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-111268/1-A
Matrix: Solid
Analysis Batch: 111334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111268

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	05/30/25 15:19	06/02/25 13:06	1
o-Terphenyl	126		70 - 130	05/30/25 15:19	06/02/25 13:06	1

Lab Sample ID: LCS 880-111268/2-A
Matrix: Solid
Analysis Batch: 111334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111268

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	755.0		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	830.0		mg/Kg		83	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: LCSD 880-111268/3-A
Matrix: Solid
Analysis Batch: 111334

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111268

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	776.8		mg/Kg		78	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	844.2		mg/Kg		84	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: MB 880-111283/1-A
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/02/25 08:21	06/02/25 22:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/02/25 08:21	06/02/25 22:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/02/25 08:21	06/02/25 22:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130	06/02/25 08:21	06/02/25 22:33	1
o-Terphenyl	69	S1-	70 - 130	06/02/25 08:21	06/02/25 22:33	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-111283/2-A
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	834.3		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	886.8		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-111283/3-A
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111283

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1154	*1	mg/Kg		115	70 - 130	32	20
Diesel Range Organics (Over C10-C28)			1000	1271	*1	mg/Kg		127	70 - 130	36	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: 890-8256-14 MS
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: B-18-4
Prep Type: Total/NA
Prep Batch: 111283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	712.8		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *1	999	787.8		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*70*		*70 - 130*

Lab Sample ID: 890-8256-14 MSD
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: B-18-4
Prep Type: Total/NA
Prep Batch: 111283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	738.4		mg/Kg		74	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1	999	805.6		mg/Kg		81	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8256-14 MSD
Matrix: Solid
Analysis Batch: 111332

Client Sample ID: B-18-4
Prep Type: Total/NA
Prep Batch: 111283

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: MB 880-111328/1-A
Matrix: Solid
Analysis Batch: 111418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111328

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		06/02/25 11:00	06/03/25 06:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/02/25 11:00	06/03/25 06:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/02/25 11:00	06/03/25 06:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/02/25 11:00	06/03/25 06:20	1
o-Terphenyl	78		70 - 130	06/02/25 11:00	06/03/25 06:20	1

Lab Sample ID: LCS 880-111328/2-A
Matrix: Solid
Analysis Batch: 111418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111328

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	846.3		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1066		mg/Kg		107	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-111328/3-A
Matrix: Solid
Analysis Batch: 111418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111328

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	893.7		mg/Kg		89	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1004		mg/Kg		100	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	99		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-111444/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111505 — **Prep Batch: 111444**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.62	J	50.0	14.5	mg/Kg		06/03/25 16:01	06/04/25 07:39	1
Diesel Range Organics (Over C10-C28)	24.19	J	50.0	15.1	mg/Kg		06/03/25 16:01	06/04/25 07:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/03/25 16:01	06/04/25 07:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/03/25 16:01*	*06/04/25 07:39*	*1*
o-Terphenyl	*98*		*70 - 130*	*06/03/25 16:01*	*06/04/25 07:39*	*1*

Lab Sample ID: LCS 880-111444/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111505 — **Prep Batch: 111444**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	872.0		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1011		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-111444/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111505 — **Prep Batch: 111444**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	934.0		mg/Kg		93	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: MB 880-111453/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 111464 — **Prep Batch: 111453**

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		06/04/25 08:19	06/04/25 05:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 08:19	06/04/25 05:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 08:19	06/04/25 05:22	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-111453/1-A
Matrix: Solid
Analysis Batch: 111464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111453

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/04/25 08:19	06/04/25 05:22	1
o-Terphenyl	100		70 - 130	06/04/25 08:19	06/04/25 05:22	1

Lab Sample ID: LCS 880-111453/2-A
Matrix: Solid
Analysis Batch: 111464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111453

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1038		mg/Kg		104	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	137	S1+	70 - 130

Lab Sample ID: LCSD 880-111453/3-A
Matrix: Solid
Analysis Batch: 111464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111453

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1094		mg/Kg		109	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1097		mg/Kg		110	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	146	S1+	70 - 130

Lab Sample ID: 890-8266-1 MS
Matrix: Solid
Analysis Batch: 111464

Client Sample ID: B - 13 - 2'
Prep Type: Total/NA
Prep Batch: 111453

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	994	918.3		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	34.5	J	994	805.2		mg/Kg		78	70 - 130		

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

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8266-1 MSD
Matrix: Solid
Analysis Batch: 111464

Client Sample ID: B - 13 - 2'
Prep Type: Total/NA
Prep Batch: 111453

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	994	847.2		mg/Kg		85	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	34.5	J	994	764.8		mg/Kg		73	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: MB 880-111501/1-A
Matrix: Solid
Analysis Batch: 111564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111501

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		06/04/25 12:24	06/05/25 04:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 12:24	06/05/25 04:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/04/25 12:24	06/05/25 04:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*06/04/25 12:24*	*06/05/25 04:09*	*1*
o-Terphenyl	*122*		*70 - 130*	*06/04/25 12:24*	*06/05/25 04:09*	*1*

Lab Sample ID: LCS 880-111501/2-A
Matrix: Solid
Analysis Batch: 111564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	811.2		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	875.0		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-111501/3-A
Matrix: Solid
Analysis Batch: 111564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	831.5		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	906.0		mg/Kg		91	70 - 130	3	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-111501/3-A
Matrix: Solid
Analysis Batch: 111564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111501

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: MB 880-112264/1-A
Matrix: Solid
Analysis Batch: 112301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112264

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		06/16/25 07:36	06/16/25 10:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:36	06/16/25 10:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:36	06/16/25 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*06/16/25 07:36*	*06/16/25 10:05*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/16/25 07:36*	*06/16/25 10:05*	*1*

Lab Sample ID: LCS 880-112264/2-A
Matrix: Solid
Analysis Batch: 112301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112264

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	954.7		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	852.9		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-112264/3-A
Matrix: Solid
Analysis Batch: 112301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112264

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1028		mg/Kg		103	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	949.2		mg/Kg		95	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8292-1 MS
Matrix: Solid
Analysis Batch: 112301

Client Sample ID: B - 35 - 2'
Prep Type: Total/NA
Prep Batch: 112264

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	1000	932.1		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	913.6		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: 890-8292-1 MSD
Matrix: Solid
Analysis Batch: 112301

Client Sample ID: B - 35 - 2'
Prep Type: Total/NA
Prep Batch: 112264

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	1000	970.9		mg/Kg		97	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	911.6		mg/Kg		91	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: MB 880-112265/1-A
Matrix: Solid
Analysis Batch: 112303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112265

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		06/16/25 07:39	06/16/25 10:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 10:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/16/25 07:39	06/16/25 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/16/25 07:39*	*06/16/25 10:05*	*1*
o-Terphenyl	*118*		*70 - 130*	*06/16/25 07:39*	*06/16/25 10:05*	*1*

Lab Sample ID: LCS 880-112265/2-A
Matrix: Solid
Analysis Batch: 112303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	834.2		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	957.2		mg/Kg		96	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-112265/2-A
Matrix: Solid
Analysis Batch: 112303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112265

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: LCSD 880-112265/3-A
Matrix: Solid
Analysis Batch: 112303

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112265

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	937.3		mg/Kg		94	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1036		mg/Kg		104	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	146	S1+	70 - 130

Lab Sample ID: 890-8292-15 MS
Matrix: Solid
Analysis Batch: 112303

Client Sample ID: B - 47 - 2'
Prep Type: Total/NA
Prep Batch: 112265

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 F1	996	622.7	F1	mg/Kg		63	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	644.9	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-8292-15 MSD
Matrix: Solid
Analysis Batch: 112303

Client Sample ID: B - 47 - 2'
Prep Type: Total/NA
Prep Batch: 112265

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	627.5	F1	mg/Kg		63	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	657.9	F1	mg/Kg		66	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	109		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-112651/1-A
Matrix: Solid
Analysis Batch: 112675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112651

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		06/20/25 08:03	06/20/25 03:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/20/25 08:03	06/20/25 03:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/20/25 08:03	06/20/25 03:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/20/25 08:03*	*06/20/25 03:28*	*1*
o-Terphenyl	*92*		*70 - 130*	*06/20/25 08:03*	*06/20/25 03:28*	*1*

Lab Sample ID: LCS 880-112651/2-A
Matrix: Solid
Analysis Batch: 112675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	863.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1037		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: LCSD 880-112651/3-A
Matrix: Solid
Analysis Batch: 112675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112651

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	859.5		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	972.3		mg/Kg		97	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-59525-1 MS
Matrix: Solid
Analysis Batch: 112675

Client Sample ID: B-58-2'
Prep Type: Total/NA
Prep Batch: 112651

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	999	778.2		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	876.3		mg/Kg		88	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 880-59525-1 MS
Matrix: Solid
Analysis Batch: 112675

Client Sample ID: B-58-2'
Prep Type: Total/NA
Prep Batch: 112651

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-59525-1 MSD
Matrix: Solid
Analysis Batch: 112675

Client Sample ID: B-58-2'
Prep Type: Total/NA
Prep Batch: 112651

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	999	853.3		mg/Kg		85	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	954.9		mg/Kg		96	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: MB 880-112819/1-A
Matrix: Solid
Analysis Batch: 112856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112819

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		06/23/25 16:10	06/24/25 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:10	06/24/25 02:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:10	06/24/25 02:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/23/25 16:10	06/24/25 02:55	1
o-Terphenyl	105		70 - 130	06/23/25 16:10	06/24/25 02:55	1

Lab Sample ID: LCS 880-112819/2-A
Matrix: Solid
Analysis Batch: 112856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	846.6		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1038		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-112819/3-A
Matrix: Solid
Analysis Batch: 112856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112819

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1017		mg/Kg		102	70 - 130	18	20
Diesel Range Organics (Over C10-C28)			1000	1249		mg/Kg		125	70 - 130	18	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 890-8341-1 MS
Matrix: Solid
Analysis Batch: 112856

Client Sample ID: SW-22-0-2
Prep Type: Total/NA
Prep Batch: 112819

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	999	821.3		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	19.5	J F2	999	824.1		mg/Kg		81	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*80*		*70 - 130*
o-Terphenyl	*72*		*70 - 130*

Lab Sample ID: 890-8341-1 MSD
Matrix: Solid
Analysis Batch: 112856

Client Sample ID: SW-22-0-2
Prep Type: Total/NA
Prep Batch: 112819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	964.3		mg/Kg		97	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	19.5	J F2	999	1019	F2	mg/Kg		100	70 - 130	21	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: MB 880-112820/1-A
Matrix: Solid
Analysis Batch: 112858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112820

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		06/23/25 16:10	06/24/25 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:10	06/24/25 02:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/23/25 16:10	06/24/25 02:55	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-112820/1-A
Matrix: Solid
Analysis Batch: 112858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112820

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	06/23/25 16:10	06/24/25 02:55	1
o-Terphenyl	113		70 - 130	06/23/25 16:10	06/24/25 02:55	1

Lab Sample ID: LCS 880-112820/2-A
Matrix: Solid
Analysis Batch: 112858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	796.7		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	907.8		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-112820/3-A
Matrix: Solid
Analysis Batch: 112858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112820

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	749.7		mg/Kg		75	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	824.8		mg/Kg		82	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 890-8341-8 MS
Matrix: Solid
Analysis Batch: 112858

Client Sample ID: B-69-2
Prep Type: Total/NA
Prep Batch: 112820

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	1000	832.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	17.5	J	1000	932.0		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	67	S1-	70 - 130
o-Terphenyl	74		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8341-8 MSD — **Client Sample ID: B-69-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 112858 — **Prep Batch: 112820**

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	1000	822.2		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	17.5	J	1000	914.8		mg/Kg		90	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*67*	*S1-*	*70 - 130*
o-Terphenyl	*74*		*70 - 130*

Lab Sample ID: MB 880-113536/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113522 — **Prep Batch: 113536**

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		07/02/25 10:14	07/02/25 17:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 17:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/02/25 10:14	07/02/25 17:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*07/02/25 10:14*	*07/02/25 17:42*	*1*
o-Terphenyl	*118*		*70 - 130*	*07/02/25 10:14*	*07/02/25 17:42*	*1*

Lab Sample ID: LCS 880-113536/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113522 — **Prep Batch: 113536**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	951.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1081		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-113536/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113522 — **Prep Batch: 113536**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	940.8		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1073		mg/Kg		107	70 - 130	1	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-113536/3-A
Matrix: Solid
Analysis Batch: 113522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113536

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Lab Sample ID: 880-59967-1 MS
Matrix: Solid
Analysis Batch: 113522

Client Sample ID: SW-26-0-2'
Prep Type: Total/NA
Prep Batch: 113536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	793.6		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	995	911.2		mg/Kg		92	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*70*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: 880-59967-1 MSD
Matrix: Solid
Analysis Batch: 113522

Client Sample ID: SW-26-0-2'
Prep Type: Total/NA
Prep Batch: 113536

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	807.6		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	995	924.0		mg/Kg		93	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*72*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Lab Sample ID: MB 880-113941/1-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.30	J	50.0	14.5	mg/Kg		07/11/25 07:50	07/14/25 18:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:50	07/14/25 18:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/11/25 07:50	07/14/25 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*07/11/25 07:50*	*07/14/25 18:48*	*1*
o-Terphenyl	*113*		*70 - 130*	*07/11/25 07:50*	*07/14/25 18:48*	*1*

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCS 880-113941/2-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113941

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1144		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1060		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-113941/3-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113941

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1149		mg/Kg		115	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1133		mg/Kg		113	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 890-8428-1 MS
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: SW - 30 - 0-2'
Prep Type: Total/NA
Prep Batch: 113941

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	998.9		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1045		mg/Kg		105	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-8428-1 MSD
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: SW - 30 - 0-2'
Prep Type: Total/NA
Prep Batch: 113941

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	993.9		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1043		mg/Kg		104	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8428-1 MSD
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: SW - 30 - 0-2'
Prep Type: Total/NA
Prep Batch: 113941

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	99		70 - 130

Lab Sample ID: MB 880-114067/1-A
Matrix: Solid
Analysis Batch: 114224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.61	J	50.0	14.5	mg/Kg		07/14/25 08:48	07/15/25 23:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/15/25 23:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:48	07/15/25 23:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	07/14/25 08:48	07/15/25 23:12	1
o-Terphenyl	114		70 - 130	07/14/25 08:48	07/15/25 23:12	1

Lab Sample ID: LCS 880-114067/2-A
Matrix: Solid
Analysis Batch: 114224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114067

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	952.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	989.5		mg/Kg		99	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-114067/3-A
Matrix: Solid
Analysis Batch: 114224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114067

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	982.3		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	937.8		mg/Kg		94	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	103		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: MB 880-114068/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114226 — **Prep Batch: 114068**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.55	J	50.0	14.5	mg/Kg		07/14/25 08:51	07/15/25 23:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:51	07/15/25 23:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/14/25 08:51	07/15/25 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*07/14/25 08:51*	*07/15/25 23:12*	*1*
o-Terphenyl	*120*		*70 - 130*	*07/14/25 08:51*	*07/15/25 23:12*	*1*

Lab Sample ID: LCS 880-114068/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114226 — **Prep Batch: 114068**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1070		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1089		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: LCSD 880-114068/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114226 — **Prep Batch: 114068**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 890-8448-12 MS — **Client Sample ID: SW-31-0-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114226 — **Prep Batch: 114068**

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 F1	998	1316	F1	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	15.2	J F1	998	1444	F1	mg/Kg		143	70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: 890-8448-12 MS
Matrix: Solid
Analysis Batch: 114226

Client Sample ID: SW-31-0-2
Prep Type: Total/NA
Prep Batch: 114068

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 890-8448-12 MSD
Matrix: Solid
Analysis Batch: 114226

Client Sample ID: SW-31-0-2
Prep Type: Total/NA
Prep Batch: 114068

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 F1	998	1367	F1	mg/Kg		137	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	15.2	J F1	998	1535	F1	mg/Kg		152	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-114193/1-A
Matrix: Solid
Analysis Batch: 114421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114193

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		07/15/25 11:59	07/17/25 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/15/25 11:59	07/17/25 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/15/25 11:59	07/17/25 10:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	07/15/25 11:59	07/17/25 10:35	1
o-Terphenyl	109		70 - 130	07/15/25 11:59	07/17/25 10:35	1

Lab Sample ID: LCS 880-114193/2-A
Matrix: Solid
Analysis Batch: 114421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1141		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1145		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	106		70 - 130

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-114193/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114421 — **Prep Batch: 114193**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1127		mg/Kg		113	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1116		mg/Kg		112	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: MB 880-114246/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114289 — **Prep Batch: 114246**

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		07/16/25 08:25	07/16/25 22:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/16/25 08:25	07/16/25 22:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/16/25 08:25	07/16/25 22:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/16/25 08:25*	*07/16/25 22:00*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/16/25 08:25*	*07/16/25 22:00*	*1*

Lab Sample ID: LCS 880-114246/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114289 — **Prep Batch: 114246**

Analyte			Spike Added	LCS Result	LCS 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	1076		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-114246/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114289 — **Prep Batch: 114246**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1081		mg/Kg		108	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1086		mg/Kg		109	70 - 130	1	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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

Lab Sample ID: LCSD 880-114246/3-A
Matrix: Solid
Analysis Batch: 114289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114246

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-8450-1 MS
Matrix: Solid
Analysis Batch: 114289

Client Sample ID: B - 97 - 2'
Prep Type: Total/NA
Prep Batch: 114246

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	1000	953.1		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	1008		mg/Kg		101	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-8450-1 MSD
Matrix: Solid
Analysis Batch: 114289

Client Sample ID: B - 97 - 2'
Prep Type: Total/NA
Prep Batch: 114246

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	1000	977.7		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	1015		mg/Kg		101	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	101		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111278/1-A
Matrix: Solid
Analysis Batch: 111286

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/02/25 10:38	1

Lab Sample ID: LCS 880-111278/2-A
Matrix: Solid
Analysis Batch: 111286

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.1		mg/Kg		105	90 - 110		

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-111278/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111286

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	262.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-8256-1 MS — **Client Sample ID: SW-1-0-4**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	175	F1	249	491.0	F1	mg/Kg		127	90 - 110

Lab Sample ID: 890-8256-1 MSD — **Client Sample ID: SW-1-0-4**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	175	F1	249	492.4	F1	mg/Kg		127	90 - 110	0	20

Lab Sample ID: 890-8256-11 MS — **Client Sample ID: B-6-4**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	95.6	F1	248	383.8	F1	mg/Kg		116	90 - 110

Lab Sample ID: 890-8256-11 MSD — **Client Sample ID: B-6-4**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	95.6	F1	248	385.7	F1	mg/Kg		117	90 - 110	0	20

Lab Sample ID: MB 880-111290/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/02/25 11:57	1

Lab Sample ID: LCS 880-111290/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111336

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	241.9		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-111290/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 111336

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.9		mg/Kg		97	90 - 110	0	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111363/1-A
Matrix: Solid
Analysis Batch: 111460

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/04/25 08:59	1

Lab Sample ID: LCS 880-111363/2-A
Matrix: Solid
Analysis Batch: 111460

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-111363/3-A
Matrix: Solid
Analysis Batch: 111460

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-8260-1 MS
Matrix: Solid
Analysis Batch: 111460

Client Sample ID: SW - 10 - 0 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	94.4		251	333.0		mg/Kg		95	90 - 110

Lab Sample ID: 890-8260-1 MSD
Matrix: Solid
Analysis Batch: 111460

Client Sample ID: SW - 10 - 0 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	94.4		251	331.4		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-8260-11 MS
Matrix: Solid
Analysis Batch: 111460

Client Sample ID: B - 27 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	98.5	F1	251	381.2	F1	mg/Kg		113	90 - 110

Lab Sample ID: 890-8260-11 MSD
Matrix: Solid
Analysis Batch: 111460

Client Sample ID: B - 27 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	98.5	F1	251	382.4	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: MB 880-111454/1-A
Matrix: Solid
Analysis Batch: 111461

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/04/25 09:52	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-111454/2-A
Matrix: Solid
Analysis Batch: 111461

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	265.2		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-111454/3-A
Matrix: Solid
Analysis Batch: 111461

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	263.7		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 890-8266-1 MS
Matrix: Solid
Analysis Batch: 111461

Client Sample ID: B - 13 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	16.3	F1	248	333.9	F1	mg/Kg		128	90 - 110		

Lab Sample ID: 890-8266-1 MSD
Matrix: Solid
Analysis Batch: 111461

Client Sample ID: B - 13 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.3	F1	248	331.8	F1	mg/Kg		127	90 - 110	1	20

Lab Sample ID: MB 880-111554/1-A
Matrix: Solid
Analysis Batch: 111557

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/05/25 11:30	1

Lab Sample ID: LCS 880-111554/2-A
Matrix: Solid
Analysis Batch: 111557

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.4		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-111554/3-A
Matrix: Solid
Analysis Batch: 111557

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	250.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-112255/1-A
Matrix: Solid
Analysis Batch: 112266

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/15/25 18:42	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-112255/2-A
Matrix: Solid
Analysis Batch: 112266

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.1		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-112255/3-A
Matrix: Solid
Analysis Batch: 112266

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	232.1		mg/Kg		93	90 - 110	2	20

Lab Sample ID: MB 880-112256/1-A
Matrix: Solid
Analysis Batch: 112267

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/15/25 19:23	1

Lab Sample ID: LCS 880-112256/2-A
Matrix: Solid
Analysis Batch: 112267

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 880-112256/3-A
Matrix: Solid
Analysis Batch: 112267

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	261.1		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-8292-1 MS
Matrix: Solid
Analysis Batch: 112267

Client Sample ID: B - 35 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	146		250	403.7		mg/Kg		103	90 - 110

Lab Sample ID: 890-8292-1 MSD
Matrix: Solid
Analysis Batch: 112267

Client Sample ID: B - 35 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146		250	396.6		mg/Kg		100	90 - 110	2	20

Lab Sample ID: 890-8292-11 MS
Matrix: Solid
Analysis Batch: 112267

Client Sample ID: B - 45 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	651		1240	1831		mg/Kg		95	90 - 110

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8292-11 MSD — **Client Sample ID: B - 45 - 2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	651		1240	1785		mg/Kg		92	90 - 110	2	20

Lab Sample ID: MB 880-112257/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/16/25 08:48	1

Lab Sample ID: LCS 880-112257/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.1		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-112257/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112278

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.0		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-8292-21 MS — **Client Sample ID: B - 53 - 2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81.4		248	342.4		mg/Kg		105	90 - 110

Lab Sample ID: 890-8292-21 MSD — **Client Sample ID: B - 53 - 2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81.4		248	347.7		mg/Kg		107	90 - 110	2	20

Lab Sample ID: MB 880-112650/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112653

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/20/25 08:44	1

Lab Sample ID: LCS 880-112650/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112653

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.5		mg/Kg		103	90 - 110

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-112650/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112653

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	261.4		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 880-59525-1 MS — **Client Sample ID: B-58-2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112653

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	77.6	F1	252	373.1	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-59525-1 MSD — **Client Sample ID: B-58-2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112653

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	77.6	F1	252	390.3	F1	mg/Kg		124	90 - 110	5	20

Lab Sample ID: MB 880-112833/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/24/25 09:25	1

Lab Sample ID: LCS 880-112833/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112855

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	240.9		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-112833/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112855

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.3		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-8341-1 MS — **Client Sample ID: SW-22-0-2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	375	F1	252	585.6	F1	mg/Kg		84	90 - 110

Lab Sample ID: 890-8341-1 MSD — **Client Sample ID: SW-22-0-2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 112855

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	375	F1	252	579.4	F1	mg/Kg		81	90 - 110	1	20

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8341-11 MS
Matrix: Solid
Analysis Batch: 112855

Client Sample ID: B-72-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	92.4		251	358.3		mg/Kg		106	90 - 110

Lab Sample ID: 890-8341-11 MSD
Matrix: Solid
Analysis Batch: 112855

Client Sample ID: B-72-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	92.4		251	354.3		mg/Kg		105	90 - 110	1	20

Lab Sample ID: MB 880-113537/1-A
Matrix: Solid
Analysis Batch: 113561

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			07/02/25 15:19	1

Lab Sample ID: LCS 880-113537/2-A
Matrix: Solid
Analysis Batch: 113561

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-113537/3-A
Matrix: Solid
Analysis Batch: 113561

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.4		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-59967-4 MS
Matrix: Solid
Analysis Batch: 113561

Client Sample ID: SW-27-0-2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	76.2	F1	253	376.2	F1	mg/Kg		119	90 - 110

Lab Sample ID: 880-59967-4 MSD
Matrix: Solid
Analysis Batch: 113561

Client Sample ID: SW-27-0-2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	76.2	F1	253	377.1	F1	mg/Kg		119	90 - 110	0	20

Lab Sample ID: MB 880-113940/1-A
Matrix: Solid
Analysis Batch: 113954

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			07/11/25 09:59	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-113940/2-A
Matrix: Solid
Analysis Batch: 113954

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-113940/3-A
Matrix: Solid
Analysis Batch: 113954

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-8428-1 MS
Matrix: Solid
Analysis Batch: 113954

Client Sample ID: SW - 30 - 0-2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81.2	F1	253	378.7	F1	mg/Kg		118	90 - 110

Lab Sample ID: 890-8428-1 MSD
Matrix: Solid
Analysis Batch: 113954

Client Sample ID: SW - 30 - 0-2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81.2	F1	253	379.7	F1	mg/Kg		118	90 - 110	0	20

Lab Sample ID: MB 880-114075/1-A
Matrix: Solid
Analysis Batch: 114092

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			07/14/25 12:16	1

Lab Sample ID: LCS 880-114075/2-A
Matrix: Solid
Analysis Batch: 114092

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.1		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-114075/3-A
Matrix: Solid
Analysis Batch: 114092

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-8448-7 MS
Matrix: Solid
Analysis Batch: 114092

Client Sample ID: B-99-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	372	F1	251	667.4	F1	mg/Kg		118	90 - 110

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8448-7 MSD — **Client Sample ID: B-99-2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114092

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	372	F1	251	671.6	F1	mg/Kg		119	90 - 110	1	20

Lab Sample ID: MB 880-114240/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			07/16/25 09:43	1

Lab Sample ID: LCS 880-114240/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	226.8		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-114240/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114252

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	226.0		mg/Kg		90	90 - 110	0	20

Lab Sample ID: MB 880-114241/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			07/16/25 11:35	1

Lab Sample ID: LCS 880-114241/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-114241/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114253

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.8		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-8450-3 MS — **Client Sample ID: B - 105 - 2'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 114253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	131		249	362.1		mg/Kg		93	90 - 110

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8450-3 MSD
Matrix: Solid
Analysis Batch: 114253

Client Sample ID: B - 105 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	131		249	363.2		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 890-8450-13 MS
Matrix: Solid
Analysis Batch: 114253

Client Sample ID: B - 115 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	96.5	F1	251	454.0	F1	mg/Kg		143	90 - 110

Lab Sample ID: 890-8450-13 MSD
Matrix: Solid
Analysis Batch: 114253

Client Sample ID: B - 115 - 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	96.5	F1	251	455.4	F1	mg/Kg		143	90 - 110	0	20

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA

Prep Batch: 111261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-12	B-8-4	Total/NA	Solid	5035	
890-8256-13	B-12-4	Total/NA	Solid	5035	
890-8256-14	B-18-4	Total/NA	Solid	5035	
890-8256-15	B-19-4	Total/NA	Solid	5035	
890-8256-16	B-20-4	Total/NA	Solid	5035	
890-8256-17	B-21-4	Total/NA	Solid	5035	
890-8256-18	B-22-4	Total/NA	Solid	5035	
890-8256-19	B-23-4	Total/NA	Solid	5035	
890-8256-20	SW-7-0-2	Total/NA	Solid	5035	
890-8256-21	SW-9-0-2	Total/NA	Solid	5035	
890-8256-22	SW-11-0-2	Total/NA	Solid	5035	
MB 880-111261/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-111261/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111261/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8256-12 MS	B-8-4	Total/NA	Solid	5035	
890-8256-12 MSD	B-8-4	Total/NA	Solid	5035	

Analysis Batch: 111279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Total/NA	Solid	8021B	111282
890-8256-2	SW-2-0-4	Total/NA	Solid	8021B	111282
890-8256-3	SW-3-0-4	Total/NA	Solid	8021B	111282
890-8256-4	SW-4-0-4	Total/NA	Solid	8021B	111282
890-8256-5	SW-5-0-4	Total/NA	Solid	8021B	111282
890-8256-6	SW-6-0-4	Total/NA	Solid	8021B	111282
890-8256-7	B-2-4	Total/NA	Solid	8021B	111282
890-8256-8	B-3-4	Total/NA	Solid	8021B	111282
890-8256-9	B-4-4	Total/NA	Solid	8021B	111282
890-8256-10	B-5-4	Total/NA	Solid	8021B	111282
890-8256-11	B-6-4	Total/NA	Solid	8021B	111282
MB 880-111282/5-A	Method Blank	Total/NA	Solid	8021B	111282
LCS 880-111282/1-A	Lab Control Sample	Total/NA	Solid	8021B	111282
LCSD 880-111282/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111282
890-8256-1 MS	SW-1-0-4	Total/NA	Solid	8021B	111282
890-8256-1 MSD	SW-1-0-4	Total/NA	Solid	8021B	111282

Analysis Batch: 111280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-12	B-8-4	Total/NA	Solid	8021B	111261
890-8256-13	B-12-4	Total/NA	Solid	8021B	111261
890-8256-14	B-18-4	Total/NA	Solid	8021B	111261
890-8256-15	B-19-4	Total/NA	Solid	8021B	111261
890-8256-16	B-20-4	Total/NA	Solid	8021B	111261
890-8256-17	B-21-4	Total/NA	Solid	8021B	111261
890-8256-18	B-22-4	Total/NA	Solid	8021B	111261
890-8256-19	B-23-4	Total/NA	Solid	8021B	111261
890-8256-20	SW-7-0-2	Total/NA	Solid	8021B	111261
890-8256-21	SW-9-0-2	Total/NA	Solid	8021B	111261
890-8256-22	SW-11-0-2	Total/NA	Solid	8021B	111261
MB 880-111261/5-B	Method Blank	Total/NA	Solid	8021B	111261
LCS 880-111261/1-B	Lab Control Sample	Total/NA	Solid	8021B	111261

QC Association Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

GC VOA (Continued)

Analysis Batch: 111280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-111261/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	111261
890-8256-12 MS	B-8-4	Total/NA	Solid	8021B	111261
890-8256-12 MSD	B-8-4	Total/NA	Solid	8021B	111261

Prep Batch: 111282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Total/NA	Solid	5035	
890-8256-2	SW-2-0-4	Total/NA	Solid	5035	
890-8256-3	SW-3-0-4	Total/NA	Solid	5035	
890-8256-4	SW-4-0-4	Total/NA	Solid	5035	
890-8256-5	SW-5-0-4	Total/NA	Solid	5035	
890-8256-6	SW-6-0-4	Total/NA	Solid	5035	
890-8256-7	B-2-4	Total/NA	Solid	5035	
890-8256-8	B-3-4	Total/NA	Solid	5035	
890-8256-9	B-4-4	Total/NA	Solid	5035	
890-8256-10	B-5-4	Total/NA	Solid	5035	
890-8256-11	B-6-4	Total/NA	Solid	5035	
MB 880-111282/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111282/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111282/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8256-1 MS	SW-1-0-4	Total/NA	Solid	5035	
890-8256-1 MSD	SW-1-0-4	Total/NA	Solid	5035	

Analysis Batch: 111350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Total/NA	Solid	Total BTEX	
890-8256-2	SW-2-0-4	Total/NA	Solid	Total BTEX	
890-8256-3	SW-3-0-4	Total/NA	Solid	Total BTEX	
890-8256-4	SW-4-0-4	Total/NA	Solid	Total BTEX	
890-8256-5	SW-5-0-4	Total/NA	Solid	Total BTEX	
890-8256-6	SW-6-0-4	Total/NA	Solid	Total BTEX	
890-8256-7	B-2-4	Total/NA	Solid	Total BTEX	
890-8256-8	B-3-4	Total/NA	Solid	Total BTEX	
890-8256-9	B-4-4	Total/NA	Solid	Total BTEX	
890-8256-10	B-5-4	Total/NA	Solid	Total BTEX	
890-8256-11	B-6-4	Total/NA	Solid	Total BTEX	
890-8256-12	B-8-4	Total/NA	Solid	Total BTEX	
890-8256-13	B-12-4	Total/NA	Solid	Total BTEX	
890-8256-14	B-18-4	Total/NA	Solid	Total BTEX	
890-8256-15	B-19-4	Total/NA	Solid	Total BTEX	
890-8256-16	B-20-4	Total/NA	Solid	Total BTEX	
890-8256-17	B-21-4	Total/NA	Solid	Total BTEX	
890-8256-18	B-22-4	Total/NA	Solid	Total BTEX	
890-8256-19	B-23-4	Total/NA	Solid	Total BTEX	
890-8256-20	SW-7-0-2	Total/NA	Solid	Total BTEX	
890-8256-21	SW-9-0-2	Total/NA	Solid	Total BTEX	
890-8256-22	SW-11-0-2	Total/NA	Solid	Total BTEX	

Analysis Batch: 111455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-1	B - 13 - 2'	Total/NA	Solid	8021B	111472

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Analysis Batch: 111455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-2	B - 14 - 2'	Total/NA	Solid	8021B	111472
890-8266-3	B - 15 - 2'	Total/NA	Solid	8021B	111472
890-8266-4	B - 16 - 2'	Total/NA	Solid	8021B	111472
890-8266-5	B - 31 - 2'	Total/NA	Solid	8021B	111472
MB 880-111472/5-A	Method Blank	Total/NA	Solid	8021B	111472
LCS 880-111472/1-A	Lab Control Sample	Total/NA	Solid	8021B	111472
LCSD 880-111472/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111472
890-8266-1 MS	B - 13 - 2'	Total/NA	Solid	8021B	111472
890-8266-1 MSD	B - 13 - 2'	Total/NA	Solid	8021B	111472

Analysis Batch: 111456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Total/NA	Solid	8021B	111487
890-8260-2	B - 17 - 2'	Total/NA	Solid	8021B	111487
890-8260-3	B - 1 - 4'	Total/NA	Solid	8021B	111487
890-8260-4	B - 7 - 4'	Total/NA	Solid	8021B	111487
890-8260-5	B - 9 - 4'	Total/NA	Solid	8021B	111487
890-8260-6	B - 10 - 4'	Total/NA	Solid	8021B	111487
890-8260-7	B - 11 - 4'	Total/NA	Solid	8021B	111487
890-8260-8	B - 24 - 2'	Total/NA	Solid	8021B	111487
890-8260-9	B - 25 - 2'	Total/NA	Solid	8021B	111487
890-8260-10	B - 26 - 2'	Total/NA	Solid	8021B	111487
890-8260-11	B - 27 - 2'	Total/NA	Solid	8021B	111487
890-8260-12	B - 28 - 2'	Total/NA	Solid	8021B	111487
890-8260-13	B - 29 - 2'	Total/NA	Solid	8021B	111487
890-8260-14	B - 30 - 2'	Total/NA	Solid	8021B	111487
890-8260-15	SW - 8 - 0-2'	Total/NA	Solid	8021B	111487
890-8260-16	SW - 12 - 0-2'	Total/NA	Solid	8021B	111487
890-8260-17	SW - 13 - 0-2'	Total/NA	Solid	8021B	111487
MB 880-111487/5-A	Method Blank	Total/NA	Solid	8021B	111487
LCS 880-111487/1-A	Lab Control Sample	Total/NA	Solid	8021B	111487
LCSD 880-111487/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111487
890-8260-1 MS	SW - 10 - 0 - 2'	Total/NA	Solid	8021B	111487
890-8260-1 MSD	SW - 10 - 0 - 2'	Total/NA	Solid	8021B	111487

Analysis Batch: 111458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-6	B - 32 - 2'	Total/NA	Solid	8021B	111474
890-8266-7	B - 33 - 2'	Total/NA	Solid	8021B	111474
890-8266-8	B - 34 - 2'	Total/NA	Solid	8021B	111474
890-8266-9	SW - 14 - 0-2'	Total/NA	Solid	8021B	111474
890-8266-10	SW - 15 - 0-2'	Total/NA	Solid	8021B	111474
MB 880-111474/5-A	Method Blank	Total/NA	Solid	8021B	111474
LCS 880-111474/1-A	Lab Control Sample	Total/NA	Solid	8021B	111474
LCSD 880-111474/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111474
890-8266-6 MS	B - 32 - 2'	Total/NA	Solid	8021B	111474
890-8266-6 MSD	B - 32 - 2'	Total/NA	Solid	8021B	111474

Prep Batch: 111472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-1	B - 13 - 2'	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Prep Batch: 111472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-2	B - 14 - 2'	Total/NA	Solid	5030B	
890-8266-3	B - 15 - 2'	Total/NA	Solid	5030B	
890-8266-4	B - 16 - 2'	Total/NA	Solid	5030B	
890-8266-5	B - 31 - 2'	Total/NA	Solid	5030B	
MB 880-111472/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-111472/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-111472/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8266-1 MS	B - 13 - 2'	Total/NA	Solid	5030B	
890-8266-1 MSD	B - 13 - 2'	Total/NA	Solid	5030B	

Prep Batch: 111474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-6	B - 32 - 2'	Total/NA	Solid	5030B	
890-8266-7	B - 33 - 2'	Total/NA	Solid	5030B	
890-8266-8	B - 34 - 2'	Total/NA	Solid	5030B	
890-8266-9	SW - 14 - 0-2'	Total/NA	Solid	5030B	
890-8266-10	SW - 15 - 0-2'	Total/NA	Solid	5030B	
MB 880-111474/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-111474/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-111474/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8266-6 MS	B - 32 - 2'	Total/NA	Solid	5030B	
890-8266-6 MSD	B - 32 - 2'	Total/NA	Solid	5030B	

Prep Batch: 111487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Total/NA	Solid	5030B	
890-8260-2	B - 17 - 2'	Total/NA	Solid	5030B	
890-8260-3	B - 1 - 4'	Total/NA	Solid	5030B	
890-8260-4	B - 7 - 4'	Total/NA	Solid	5030B	
890-8260-5	B - 9 - 4'	Total/NA	Solid	5030B	
890-8260-6	B - 10 - 4'	Total/NA	Solid	5030B	
890-8260-7	B - 11 - 4'	Total/NA	Solid	5030B	
890-8260-8	B - 24 - 2'	Total/NA	Solid	5030B	
890-8260-9	B - 25 - 2'	Total/NA	Solid	5030B	
890-8260-10	B - 26 - 2'	Total/NA	Solid	5030B	
890-8260-11	B - 27 - 2'	Total/NA	Solid	5030B	
890-8260-12	B - 28 - 2'	Total/NA	Solid	5030B	
890-8260-13	B - 29 - 2'	Total/NA	Solid	5030B	
890-8260-14	B - 30 - 2'	Total/NA	Solid	5030B	
890-8260-15	SW - 8 - 0-2'	Total/NA	Solid	5030B	
890-8260-16	SW - 12 - 0-2'	Total/NA	Solid	5030B	
890-8260-17	SW - 13 - 0-2'	Total/NA	Solid	5030B	
MB 880-111487/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-111487/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-111487/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8260-1 MS	SW - 10 - 0 - 2'	Total/NA	Solid	5030B	
890-8260-1 MSD	SW - 10 - 0 - 2'	Total/NA	Solid	5030B	

Analysis Batch: 111547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8268-1	BACKFILL	Total/NA	Solid	8021B	111561

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Analysis Batch: 111547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-111561/5-A	Method Blank	Total/NA	Solid	8021B	111561
LCS 880-111561/1-A	Lab Control Sample	Total/NA	Solid	8021B	111561
LCSD 880-111561/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111561
890-8268-1 MS	BACKFILL	Total/NA	Solid	8021B	111561
890-8268-1 MSD	BACKFILL	Total/NA	Solid	8021B	111561

Prep Batch: 111561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8268-1	BACKFILL	Total/NA	Solid	5030B	
MB 880-111561/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-111561/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-111561/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8268-1 MS	BACKFILL	Total/NA	Solid	5030B	
890-8268-1 MSD	BACKFILL	Total/NA	Solid	5030B	

Analysis Batch: 111608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Total/NA	Solid	Total BTEX	
890-8260-2	B - 17 - 2'	Total/NA	Solid	Total BTEX	
890-8260-3	B - 1 - 4'	Total/NA	Solid	Total BTEX	
890-8260-4	B - 7 - 4'	Total/NA	Solid	Total BTEX	
890-8260-5	B - 9 - 4'	Total/NA	Solid	Total BTEX	
890-8260-6	B - 10 - 4'	Total/NA	Solid	Total BTEX	
890-8260-7	B - 11 - 4'	Total/NA	Solid	Total BTEX	
890-8260-8	B - 24 - 2'	Total/NA	Solid	Total BTEX	
890-8260-9	B - 25 - 2'	Total/NA	Solid	Total BTEX	
890-8260-10	B - 26 - 2'	Total/NA	Solid	Total BTEX	
890-8260-11	B - 27 - 2'	Total/NA	Solid	Total BTEX	
890-8260-12	B - 28 - 2'	Total/NA	Solid	Total BTEX	
890-8260-13	B - 29 - 2'	Total/NA	Solid	Total BTEX	
890-8260-14	B - 30 - 2'	Total/NA	Solid	Total BTEX	
890-8260-15	SW - 8 - 0-2'	Total/NA	Solid	Total BTEX	
890-8260-16	SW - 12 - 0-2'	Total/NA	Solid	Total BTEX	
890-8260-17	SW - 13 - 0-2'	Total/NA	Solid	Total BTEX	

Analysis Batch: 112159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-22	B - 54 - 2'	Total/NA	Solid	8021B	112271
890-8292-23	B - 55 - 2'	Total/NA	Solid	8021B	112271
890-8292-24	B - 56 - 2'	Total/NA	Solid	8021B	112271
890-8292-25	B - 57 - 2'	Total/NA	Solid	8021B	112271
890-8292-26	SW - 18 - 0-2'	Total/NA	Solid	8021B	112271
890-8292-27	SW - 19 - 0-2'	Total/NA	Solid	8021B	112271
890-8292-28	SW - 20 - 0-2'	Total/NA	Solid	8021B	112271
MB 880-112271/5-A	Method Blank	Total/NA	Solid	8021B	112271
LCS 880-112271/1-A	Lab Control Sample	Total/NA	Solid	8021B	112271
LCSD 880-112271/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112271
890-8292-22 MS	B - 54 - 2'	Total/NA	Solid	8021B	112271
890-8292-22 MSD	B - 54 - 2'	Total/NA	Solid	8021B	112271

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA

Prep Batch: 112268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-1	B - 35 - 2'	Total/NA	Solid	5030B	
890-8292-2	B - 36 - 2'	Total/NA	Solid	5030B	
890-8292-3	B - 37 - 2'	Total/NA	Solid	5030B	
890-8292-4	B - 38 - 2'	Total/NA	Solid	5030B	
890-8292-5	B - 39 - 2'	Total/NA	Solid	5030B	
890-8292-6	B - 40 - 2'	Total/NA	Solid	5030B	
890-8292-7	B - 41 - 2'	Total/NA	Solid	5030B	
MB 880-112268/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112268/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112268/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8292-1 MS	B - 35 - 2'	Total/NA	Solid	5030B	
890-8292-1 MSD	B - 35 - 2'	Total/NA	Solid	5030B	

Prep Batch: 112269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-8	B - 42 - 2'	Total/NA	Solid	5030B	
890-8292-9	B - 43 - 2'	Total/NA	Solid	5030B	
890-8292-10	B - 44 - 2'	Total/NA	Solid	5030B	
890-8292-11	B - 45 - 2'	Total/NA	Solid	5030B	
890-8292-12	B - 46 - 2'	Total/NA	Solid	5030B	
890-8292-13	SW - 16 - 0-2'	Total/NA	Solid	5030B	
890-8292-14	SW - 17 - 0-2'	Total/NA	Solid	5030B	
MB 880-112269/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112269/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112269/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8292-8 MS	B - 42 - 2'	Total/NA	Solid	5030B	
890-8292-8 MSD	B - 42 - 2'	Total/NA	Solid	5030B	

Prep Batch: 112270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-15	B - 47 - 2'	Total/NA	Solid	5030B	
890-8292-16	B - 48 - 2'	Total/NA	Solid	5030B	
890-8292-17	B - 49 - 2'	Total/NA	Solid	5030B	
890-8292-18	B - 50 - 2'	Total/NA	Solid	5030B	
890-8292-19	B - 51 - 2'	Total/NA	Solid	5030B	
890-8292-20	B - 52 - 2'	Total/NA	Solid	5030B	
890-8292-21	B - 53 - 2'	Total/NA	Solid	5030B	
MB 880-112270/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112270/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112270/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8292-15 MS	B - 47 - 2'	Total/NA	Solid	5030B	
890-8292-15 MSD	B - 47 - 2'	Total/NA	Solid	5030B	

Prep Batch: 112271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-22	B - 54 - 2'	Total/NA	Solid	5030B	
890-8292-23	B - 55 - 2'	Total/NA	Solid	5030B	
890-8292-24	B - 56 - 2'	Total/NA	Solid	5030B	
890-8292-25	B - 57 - 2'	Total/NA	Solid	5030B	
890-8292-26	SW - 18 - 0-2'	Total/NA	Solid	5030B	
890-8292-27	SW - 19 - 0-2'	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Prep Batch: 112271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-28	SW - 20 - 0-2'	Total/NA	Solid	5030B	
MB 880-112271/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112271/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112271/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8292-22 MS	B - 54 - 2'	Total/NA	Solid	5030B	
890-8292-22 MSD	B - 54 - 2'	Total/NA	Solid	5030B	

Analysis Batch: 112272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-1	B - 35 - 2'	Total/NA	Solid	8021B	112268
890-8292-2	B - 36 - 2'	Total/NA	Solid	8021B	112268
890-8292-3	B - 37 - 2'	Total/NA	Solid	8021B	112268
890-8292-4	B - 38 - 2'	Total/NA	Solid	8021B	112268
890-8292-5	B - 39 - 2'	Total/NA	Solid	8021B	112268
890-8292-6	B - 40 - 2'	Total/NA	Solid	8021B	112268
890-8292-7	B - 41 - 2'	Total/NA	Solid	8021B	112268
MB 880-112268/5-A	Method Blank	Total/NA	Solid	8021B	112268
LCS 880-112268/1-A	Lab Control Sample	Total/NA	Solid	8021B	112268
LCSD 880-112268/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112268
890-8292-1 MS	B - 35 - 2'	Total/NA	Solid	8021B	112268
890-8292-1 MSD	B - 35 - 2'	Total/NA	Solid	8021B	112268

Analysis Batch: 112273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-15	B - 47 - 2'	Total/NA	Solid	8021B	112270
890-8292-16	B - 48 - 2'	Total/NA	Solid	8021B	112270
890-8292-17	B - 49 - 2'	Total/NA	Solid	8021B	112270
890-8292-18	B - 50 - 2'	Total/NA	Solid	8021B	112270
890-8292-19	B - 51 - 2'	Total/NA	Solid	8021B	112270
890-8292-20	B - 52 - 2'	Total/NA	Solid	8021B	112270
890-8292-21	B - 53 - 2'	Total/NA	Solid	8021B	112270
MB 880-112270/5-A	Method Blank	Total/NA	Solid	8021B	112270
LCS 880-112270/1-A	Lab Control Sample	Total/NA	Solid	8021B	112270
LCSD 880-112270/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112270
890-8292-15 MS	B - 47 - 2'	Total/NA	Solid	8021B	112270
890-8292-15 MSD	B - 47 - 2'	Total/NA	Solid	8021B	112270

Analysis Batch: 112274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-8	B - 42 - 2'	Total/NA	Solid	8021B	112269
890-8292-9	B - 43 - 2'	Total/NA	Solid	8021B	112269
890-8292-10	B - 44 - 2'	Total/NA	Solid	8021B	112269
890-8292-11	B - 45 - 2'	Total/NA	Solid	8021B	112269
890-8292-12	B - 46 - 2'	Total/NA	Solid	8021B	112269
890-8292-13	SW - 16 - 0-2'	Total/NA	Solid	8021B	112269
890-8292-14	SW - 17 - 0-2'	Total/NA	Solid	8021B	112269
MB 880-112269/5-A	Method Blank	Total/NA	Solid	8021B	112269
LCS 880-112269/1-A	Lab Control Sample	Total/NA	Solid	8021B	112269
LCSD 880-112269/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112269
890-8292-8 MS	B - 42 - 2'	Total/NA	Solid	8021B	112269
890-8292-8 MSD	B - 42 - 2'	Total/NA	Solid	8021B	112269

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA

Analysis Batch: 112654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Total/NA	Solid	8021B	112665
880-59525-2	SW-15-0-2'	Total/NA	Solid	8021B	112665
880-59525-3	B-59-2'	Total/NA	Solid	8021B	112665
MB 880-112665/5-A	Method Blank	Total/NA	Solid	8021B	112665
LCS 880-112665/1-A	Lab Control Sample	Total/NA	Solid	8021B	112665
LCSD 880-112665/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112665
880-59525-1 MS	B-58-2'	Total/NA	Solid	8021B	112665
880-59525-1 MSD	B-58-2'	Total/NA	Solid	8021B	112665

Analysis Batch: 112655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-4	B-60-2'	Total/NA	Solid	8021B	112667
880-59525-5	B-61-2'	Total/NA	Solid	8021B	112667
880-59525-6	B-62-2'	Total/NA	Solid	8021B	112667
MB 880-112667/5-A	Method Blank	Total/NA	Solid	8021B	112667
LCS 880-112667/1-A	Lab Control Sample	Total/NA	Solid	8021B	112667
LCSD 880-112667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112667
880-59525-4 MS	B-60-2'	Total/NA	Solid	8021B	112667
880-59525-4 MSD	B-60-2'	Total/NA	Solid	8021B	112667

Analysis Batch: 112656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-7	SW-21--0-2'	Total/NA	Solid	8021B	112668
880-59525-8	B-45-2.5'	Total/NA	Solid	8021B	112668
880-59525-9	B-44-2.5'	Total/NA	Solid	8021B	112668
MB 880-112668/5-A	Method Blank	Total/NA	Solid	8021B	112668
LCS 880-112668/1-A	Lab Control Sample	Total/NA	Solid	8021B	112668
LCSD 880-112668/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112668
880-59525-7 MS	SW-21--0-2'	Total/NA	Solid	8021B	112668
880-59525-7 MSD	SW-21--0-2'	Total/NA	Solid	8021B	112668

Prep Batch: 112665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Total/NA	Solid	5030B	
880-59525-2	SW-15-0-2'	Total/NA	Solid	5030B	
880-59525-3	B-59-2'	Total/NA	Solid	5030B	
MB 880-112665/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112665/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112665/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-59525-1 MS	B-58-2'	Total/NA	Solid	5030B	
880-59525-1 MSD	B-58-2'	Total/NA	Solid	5030B	

Prep Batch: 112667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-4	B-60-2'	Total/NA	Solid	5030B	
880-59525-5	B-61-2'	Total/NA	Solid	5030B	
880-59525-6	B-62-2'	Total/NA	Solid	5030B	
MB 880-112667/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112667/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112667/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-59525-4 MS	B-60-2'	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Prep Batch: 112667 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-4 MSD	B-60-2'	Total/NA	Solid	5030B	

Prep Batch: 112668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-7	SW-21--0-2'	Total/NA	Solid	5030B	
880-59525-8	B-45-2.5'	Total/NA	Solid	5030B	
880-59525-9	B-44-2.5'	Total/NA	Solid	5030B	
MB 880-112668/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112668/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112668/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-59525-7 MS	SW-21--0-2'	Total/NA	Solid	5030B	
880-59525-7 MSD	SW-21--0-2'	Total/NA	Solid	5030B	

Analysis Batch: 112697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Total/NA	Solid	Total BTEX	
880-59525-2	SW-15-0-2'	Total/NA	Solid	Total BTEX	
880-59525-3	B-59-2'	Total/NA	Solid	Total BTEX	
880-59525-4	B-60-2'	Total/NA	Solid	Total BTEX	
880-59525-5	B-61-2'	Total/NA	Solid	Total BTEX	
880-59525-6	B-62-2'	Total/NA	Solid	Total BTEX	
880-59525-7	SW-21--0-2'	Total/NA	Solid	Total BTEX	
880-59525-8	B-45-2.5'	Total/NA	Solid	Total BTEX	
880-59525-9	B-44-2.5'	Total/NA	Solid	Total BTEX	

Prep Batch: 112837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Total/NA	Solid	5030B	
890-8341-2	B-63-2	Total/NA	Solid	5030B	
890-8341-3	B-64-2	Total/NA	Solid	5030B	
890-8341-4	B-65-2	Total/NA	Solid	5030B	
MB 880-112837/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112837/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112837/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8341-1 MS	SW-22-0-2	Total/NA	Solid	5030B	
890-8341-1 MSD	SW-22-0-2	Total/NA	Solid	5030B	

Analysis Batch: 112838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-8	B-69-2	Total/NA	Solid	8021B	112851
890-8341-9	B-70-2	Total/NA	Solid	8021B	112851
890-8341-10	B-71-2	Total/NA	Solid	8021B	112851
MB 880-112851/5-A	Method Blank	Total/NA	Solid	8021B	112851
LCS 880-112851/1-A	Lab Control Sample	Total/NA	Solid	8021B	112851
LCSD 880-112851/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112851
890-8341-8 MS	B-69-2	Total/NA	Solid	8021B	112851
890-8341-8 MSD	B-69-2	Total/NA	Solid	8021B	112851

Analysis Batch: 112839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Total/NA	Solid	8021B	112837

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Analysis Batch: 112839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-2	B-63-2	Total/NA	Solid	8021B	112837
890-8341-3	B-64-2	Total/NA	Solid	8021B	112837
890-8341-4	B-65-2	Total/NA	Solid	8021B	112837
MB 880-112837/5-A	Method Blank	Total/NA	Solid	8021B	112837
LCS 880-112837/1-A	Lab Control Sample	Total/NA	Solid	8021B	112837
LCSD 880-112837/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112837
890-8341-1 MS	SW-22-0-2	Total/NA	Solid	8021B	112837
890-8341-1 MSD	SW-22-0-2	Total/NA	Solid	8021B	112837

Analysis Batch: 112841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-5	B-66-2	Total/NA	Solid	8021B	112846
890-8341-6	B-67-2	Total/NA	Solid	8021B	112846
890-8341-7	B-68-2	Total/NA	Solid	8021B	112846
MB 880-112846/5-A	Method Blank	Total/NA	Solid	8021B	112846
LCS 880-112846/1-A	Lab Control Sample	Total/NA	Solid	8021B	112846
LCSD 880-112846/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112846
890-8341-5 MS	B-66-2	Total/NA	Solid	8021B	112846
890-8341-5 MSD	B-66-2	Total/NA	Solid	8021B	112846

Analysis Batch: 112844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-11	B-72-2	Total/NA	Solid	8021B	112849
890-8341-12	B-73-2	Total/NA	Solid	8021B	112849
890-8341-13	B-74-2	Total/NA	Solid	8021B	112849
890-8341-14	SW-23-0-2	Total/NA	Solid	8021B	112849
MB 880-112849/5-A	Method Blank	Total/NA	Solid	8021B	112849
LCS 880-112849/1-A	Lab Control Sample	Total/NA	Solid	8021B	112849
LCSD 880-112849/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112849
890-8341-11 MS	B-72-2	Total/NA	Solid	8021B	112849
890-8341-11 MSD	B-72-2	Total/NA	Solid	8021B	112849

Prep Batch: 112846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-5	B-66-2	Total/NA	Solid	5030B	
890-8341-6	B-67-2	Total/NA	Solid	5030B	
890-8341-7	B-68-2	Total/NA	Solid	5030B	
MB 880-112846/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112846/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112846/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8341-5 MS	B-66-2	Total/NA	Solid	5030B	
890-8341-5 MSD	B-66-2	Total/NA	Solid	5030B	

Prep Batch: 112849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-11	B-72-2	Total/NA	Solid	5030B	
890-8341-12	B-73-2	Total/NA	Solid	5030B	
890-8341-13	B-74-2	Total/NA	Solid	5030B	
890-8341-14	SW-23-0-2	Total/NA	Solid	5030B	
MB 880-112849/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112849/1-A	Lab Control Sample	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Prep Batch: 112849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-112849/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8341-11 MS	B-72-2	Total/NA	Solid	5030B	
890-8341-11 MSD	B-72-2	Total/NA	Solid	5030B	

Prep Batch: 112851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-8	B-69-2	Total/NA	Solid	5030B	
890-8341-9	B-70-2	Total/NA	Solid	5030B	
890-8341-10	B-71-2	Total/NA	Solid	5030B	
MB 880-112851/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-112851/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-112851/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8341-8 MS	B-69-2	Total/NA	Solid	5030B	
890-8341-8 MSD	B-69-2	Total/NA	Solid	5030B	

Analysis Batch: 112949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Total/NA	Solid	Total BTEX	
890-8341-2	B-63-2	Total/NA	Solid	Total BTEX	
890-8341-3	B-64-2	Total/NA	Solid	Total BTEX	
890-8341-4	B-65-2	Total/NA	Solid	Total BTEX	
890-8341-5	B-66-2	Total/NA	Solid	Total BTEX	
890-8341-6	B-67-2	Total/NA	Solid	Total BTEX	
890-8341-7	B-68-2	Total/NA	Solid	Total BTEX	
890-8341-8	B-69-2	Total/NA	Solid	Total BTEX	
890-8341-9	B-70-2	Total/NA	Solid	Total BTEX	
890-8341-10	B-71-2	Total/NA	Solid	Total BTEX	
890-8341-11	B-72-2	Total/NA	Solid	Total BTEX	
890-8341-12	B-73-2	Total/NA	Solid	Total BTEX	
890-8341-13	B-74-2	Total/NA	Solid	Total BTEX	
890-8341-14	SW-23-0-2	Total/NA	Solid	Total BTEX	

Analysis Batch: 113510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Total/NA	Solid	8021B	113513
880-59967-2	SW-24-0-2'	Total/NA	Solid	8021B	113513
880-59967-3	SW-25-0-2'	Total/NA	Solid	8021B	113513
880-59967-4	SW-27-0-2'	Total/NA	Solid	8021B	113513
880-59967-5	B-75-0-2'	Total/NA	Solid	8021B	113513
MB 880-113513/5-A	Method Blank	Total/NA	Solid	8021B	113513
LCS 880-113513/1-A	Lab Control Sample	Total/NA	Solid	8021B	113513
LCSD 880-113513/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113513

Analysis Batch: 113511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-6	B-76-0-2'	Total/NA	Solid	8021B	113516
880-59967-7	B-77-0-2'	Total/NA	Solid	8021B	113516
880-59967-8	B-78-0-2'	Total/NA	Solid	8021B	113516
880-59967-9	SW-28-0-4'	Total/NA	Solid	8021B	113516
MB 880-113516/5-A	Method Blank	Total/NA	Solid	8021B	113516
LCS 880-113516/1-A	Lab Control Sample	Total/NA	Solid	8021B	113516

QC Association Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

GC VOA (Continued)

Analysis Batch: 113511 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-113516/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113516

Analysis Batch: 113512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-10	SW-29-0-4'	Total/NA	Solid	8021B	113533
880-59967-11	B-80-4'	Total/NA	Solid	8021B	113533
880-59967-12	B-81-4'	Total/NA	Solid	8021B	113533
880-59967-13	B-79-2'	Total/NA	Solid	8021B	113533
MB 880-113533/5-A	Method Blank	Total/NA	Solid	8021B	113533
LCS 880-113533/1-A	Lab Control Sample	Total/NA	Solid	8021B	113533
LCSD 880-113533/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113533
880-59967-10 MS	SW-29-0-4'	Total/NA	Solid	8021B	113533
880-59967-10 MSD	SW-29-0-4'	Total/NA	Solid	8021B	113533

Prep Batch: 113513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Total/NA	Solid	5030B	
880-59967-2	SW-24-0-2'	Total/NA	Solid	5030B	
880-59967-3	SW-25-0-2'	Total/NA	Solid	5030B	
880-59967-4	SW-27-0-2'	Total/NA	Solid	5030B	
880-59967-5	B-75-0-2'	Total/NA	Solid	5030B	
MB 880-113513/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113513/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113513/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 113516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-6	B-76-0-2'	Total/NA	Solid	5030B	
880-59967-7	B-77-0-2'	Total/NA	Solid	5030B	
880-59967-8	B-78-0-2'	Total/NA	Solid	5030B	
880-59967-9	SW-28-0-4'	Total/NA	Solid	5030B	
MB 880-113516/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113516/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113516/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Prep Batch: 113533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-10	SW-29-0-4'	Total/NA	Solid	5030B	
880-59967-11	B-80-4'	Total/NA	Solid	5030B	
880-59967-12	B-81-4'	Total/NA	Solid	5030B	
880-59967-13	B-79-2'	Total/NA	Solid	5030B	
MB 880-113533/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113533/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113533/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-59967-10 MS	SW-29-0-4'	Total/NA	Solid	5030B	
880-59967-10 MSD	SW-29-0-4'	Total/NA	Solid	5030B	

Analysis Batch: 113573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Total/NA	Solid	Total BTEX	
880-59967-2	SW-24-0-2'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Analysis Batch: 113573 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-3	SW-25-0-2'	Total/NA	Solid	Total BTEX	
880-59967-4	SW-27-0-2'	Total/NA	Solid	Total BTEX	
880-59967-5	B-75-0-2'	Total/NA	Solid	Total BTEX	
880-59967-6	B-76-0-2'	Total/NA	Solid	Total BTEX	
880-59967-7	B-77-0-2'	Total/NA	Solid	Total BTEX	
880-59967-8	B-78-0-2'	Total/NA	Solid	Total BTEX	
880-59967-9	SW-28-0-4'	Total/NA	Solid	Total BTEX	
880-59967-10	SW-29-0-4'	Total/NA	Solid	Total BTEX	
880-59967-11	B-80-4'	Total/NA	Solid	Total BTEX	
880-59967-12	B-81-4'	Total/NA	Solid	Total BTEX	
880-59967-13	B-79-2'	Total/NA	Solid	Total BTEX	

Analysis Batch: 113944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-1	SW - 30 - 0-2'	Total/NA	Solid	8021B	113945
890-8428-2	B - 82 - 2'	Total/NA	Solid	8021B	113945
890-8428-3	B - 83 - 2'	Total/NA	Solid	8021B	113945
890-8428-4	B - 84 - 2'	Total/NA	Solid	8021B	113945
890-8428-5	B - 85 - 2'	Total/NA	Solid	8021B	113945
890-8428-6	B - 86 - 2'	Total/NA	Solid	8021B	113945
890-8428-7	B - 87 - 2'	Total/NA	Solid	8021B	113945
MB 880-113945/5-A	Method Blank	Total/NA	Solid	8021B	113945
LCS 880-113945/1-A	Lab Control Sample	Total/NA	Solid	8021B	113945
LCSD 880-113945/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113945

Prep Batch: 113945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-1	SW - 30 - 0-2'	Total/NA	Solid	5030B	
890-8428-2	B - 82 - 2'	Total/NA	Solid	5030B	
890-8428-3	B - 83 - 2'	Total/NA	Solid	5030B	
890-8428-4	B - 84 - 2'	Total/NA	Solid	5030B	
890-8428-5	B - 85 - 2'	Total/NA	Solid	5030B	
890-8428-6	B - 86 - 2'	Total/NA	Solid	5030B	
890-8428-7	B - 87 - 2'	Total/NA	Solid	5030B	
MB 880-113945/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113945/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113945/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-8	B - 88 - 2'	Total/NA	Solid	8021B	113987
890-8428-9	B - 89 - 2'	Total/NA	Solid	8021B	113987
890-8428-10	B - 90 - 2'	Total/NA	Solid	8021B	113987
MB 880-113951/5-A	Method Blank	Total/NA	Solid	8021B	113951
MB 880-113987/5-A	Method Blank	Total/NA	Solid	8021B	113987
LCS 880-113987/1-A	Lab Control Sample	Total/NA	Solid	8021B	113987
LCSD 880-113987/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113987

Prep Batch: 113951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113951/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA

Prep Batch: 113987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-8	B - 88 - 2'	Total/NA	Solid	5030B	
890-8428-9	B - 89 - 2'	Total/NA	Solid	5030B	
890-8428-10	B - 90 - 2'	Total/NA	Solid	5030B	
MB 880-113987/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113987/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113987/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 114062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Total/NA	Solid	8021B	114076
890-8448-2	B-92-2	Total/NA	Solid	8021B	114076
890-8448-3	B-93-2	Total/NA	Solid	8021B	114076
890-8448-4	B-94-2	Total/NA	Solid	8021B	114076
890-8448-5	B-95-2	Total/NA	Solid	8021B	114076
890-8448-6	B-96-2	Total/NA	Solid	8021B	114076
890-8448-7	B-99-2	Total/NA	Solid	8021B	114076
890-8448-8	B-100-2	Total/NA	Solid	8021B	114076
890-8448-9	B-101-2	Total/NA	Solid	8021B	114076
890-8448-10	B-102-2	Total/NA	Solid	8021B	114076
890-8448-11	B-104-2	Total/NA	Solid	8021B	114076
890-8448-12	SW-31-0-2	Total/NA	Solid	8021B	114076
890-8448-13	SW-32-0-2	Total/NA	Solid	8021B	114076
890-8448-14	SW-33-0-2	Total/NA	Solid	8021B	114076
890-8448-15	SW-34-0-2	Total/NA	Solid	8021B	114076
890-8448-16	SW-35-0-4	Total/NA	Solid	8021B	114076
MB 880-114076/5-A	Method Blank	Total/NA	Solid	8021B	114076
LCS 880-114076/1-A	Lab Control Sample	Total/NA	Solid	8021B	114076
LCSD 880-114076/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114076
890-8448-1 MS	B-91-2	Total/NA	Solid	8021B	114076
890-8448-1 MSD	B-91-2	Total/NA	Solid	8021B	114076

Prep Batch: 114076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Total/NA	Solid	5030B	
890-8448-2	B-92-2	Total/NA	Solid	5030B	
890-8448-3	B-93-2	Total/NA	Solid	5030B	
890-8448-4	B-94-2	Total/NA	Solid	5030B	
890-8448-5	B-95-2	Total/NA	Solid	5030B	
890-8448-6	B-96-2	Total/NA	Solid	5030B	
890-8448-7	B-99-2	Total/NA	Solid	5030B	
890-8448-8	B-100-2	Total/NA	Solid	5030B	
890-8448-9	B-101-2	Total/NA	Solid	5030B	
890-8448-10	B-102-2	Total/NA	Solid	5030B	
890-8448-11	B-104-2	Total/NA	Solid	5030B	
890-8448-12	SW-31-0-2	Total/NA	Solid	5030B	
890-8448-13	SW-32-0-2	Total/NA	Solid	5030B	
890-8448-14	SW-33-0-2	Total/NA	Solid	5030B	
890-8448-15	SW-34-0-2	Total/NA	Solid	5030B	
890-8448-16	SW-35-0-4	Total/NA	Solid	5030B	
MB 880-114076/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-114076/1-A	Lab Control Sample	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Prep Batch: 114076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-114076/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8448-1 MS	B-91-2	Total/NA	Solid	5030B	
890-8448-1 MSD	B-91-2	Total/NA	Solid	5030B	

Analysis Batch: 114124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Total/NA	Solid	Total BTEX	
890-8448-2	B-92-2	Total/NA	Solid	Total BTEX	
890-8448-3	B-93-2	Total/NA	Solid	Total BTEX	
890-8448-4	B-94-2	Total/NA	Solid	Total BTEX	
890-8448-5	B-95-2	Total/NA	Solid	Total BTEX	
890-8448-6	B-96-2	Total/NA	Solid	Total BTEX	
890-8448-7	B-99-2	Total/NA	Solid	Total BTEX	
890-8448-8	B-100-2	Total/NA	Solid	Total BTEX	
890-8448-9	B-101-2	Total/NA	Solid	Total BTEX	
890-8448-10	B-102-2	Total/NA	Solid	Total BTEX	
890-8448-11	B-104-2	Total/NA	Solid	Total BTEX	
890-8448-12	SW-31-0-2	Total/NA	Solid	Total BTEX	
890-8448-13	SW-32-0-2	Total/NA	Solid	Total BTEX	
890-8448-14	SW-33-0-2	Total/NA	Solid	Total BTEX	
890-8448-15	SW-34-0-2	Total/NA	Solid	Total BTEX	
890-8448-16	SW-35-0-4	Total/NA	Solid	Total BTEX	

Analysis Batch: 114245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Total/NA	Solid	8021B	114247
890-8450-2	B - 98 - 2'	Total/NA	Solid	8021B	114247
890-8450-3	B - 105 - 2'	Total/NA	Solid	8021B	114247
890-8450-4	B - 106 - 2'	Total/NA	Solid	8021B	114247
890-8450-5	B - 107 - 2'	Total/NA	Solid	8021B	114247
890-8450-6	B - 108 - 2'	Total/NA	Solid	8021B	114247
MB 880-114247/5-A	Method Blank	Total/NA	Solid	8021B	114247
LCS 880-114247/1-A	Lab Control Sample	Total/NA	Solid	8021B	114247
LCSD 880-114247/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114247
890-8450-1 MS	B - 97 - 2'	Total/NA	Solid	8021B	114247
890-8450-1 MSD	B - 97 - 2'	Total/NA	Solid	8021B	114247

Prep Batch: 114247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Total/NA	Solid	5030B	
890-8450-2	B - 98 - 2'	Total/NA	Solid	5030B	
890-8450-3	B - 105 - 2'	Total/NA	Solid	5030B	
890-8450-4	B - 106 - 2'	Total/NA	Solid	5030B	
890-8450-5	B - 107 - 2'	Total/NA	Solid	5030B	
890-8450-6	B - 108 - 2'	Total/NA	Solid	5030B	
MB 880-114247/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-114247/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-114247/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8450-1 MS	B - 97 - 2'	Total/NA	Solid	5030B	
890-8450-1 MSD	B - 97 - 2'	Total/NA	Solid	5030B	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA

Prep Batch: 114313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-7	B - 109 - 2'	Total/NA	Solid	5030B	
890-8450-8	B - 110 - 2'	Total/NA	Solid	5030B	
890-8450-9	B - 111 - 2'	Total/NA	Solid	5030B	
890-8450-10	B - 112 - 2'	Total/NA	Solid	5030B	
890-8450-11	B - 113 - 2'	Total/NA	Solid	5030B	
890-8450-12	B - 114 - 2'	Total/NA	Solid	5030B	
890-8450-13	B - 115 - 2'	Total/NA	Solid	5030B	
890-8450-14	B - 116 - 2'	Total/NA	Solid	5030B	
890-8450-15	B - 117 - 2'	Total/NA	Solid	5030B	
890-8450-16	B - 103 - 2'	Total/NA	Solid	5030B	
MB 880-114313/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-114313/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-114313/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8450-7 MS	B - 109 - 2'	Total/NA	Solid	5030B	
890-8450-7 MSD	B - 109 - 2'	Total/NA	Solid	5030B	

Analysis Batch: 114315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-7	B - 109 - 2'	Total/NA	Solid	8021B	114313
890-8450-8	B - 110 - 2'	Total/NA	Solid	8021B	114313
890-8450-9	B - 111 - 2'	Total/NA	Solid	8021B	114313
890-8450-10	B - 112 - 2'	Total/NA	Solid	8021B	114313
890-8450-11	B - 113 - 2'	Total/NA	Solid	8021B	114313
890-8450-12	B - 114 - 2'	Total/NA	Solid	8021B	114313
890-8450-13	B - 115 - 2'	Total/NA	Solid	8021B	114313
890-8450-14	B - 116 - 2'	Total/NA	Solid	8021B	114313
890-8450-15	B - 117 - 2'	Total/NA	Solid	8021B	114313
890-8450-16	B - 103 - 2'	Total/NA	Solid	8021B	114313
MB 880-114313/5-A	Method Blank	Total/NA	Solid	8021B	114313
LCS 880-114313/1-A	Lab Control Sample	Total/NA	Solid	8021B	114313
LCSD 880-114313/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114313
890-8450-7 MS	B - 109 - 2'	Total/NA	Solid	8021B	114313
890-8450-7 MSD	B - 109 - 2'	Total/NA	Solid	8021B	114313

Analysis Batch: 114386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Total/NA	Solid	Total BTEX	
890-8450-2	B - 98 - 2'	Total/NA	Solid	Total BTEX	
890-8450-3	B - 105 - 2'	Total/NA	Solid	Total BTEX	
890-8450-4	B - 106 - 2'	Total/NA	Solid	Total BTEX	
890-8450-5	B - 107 - 2'	Total/NA	Solid	Total BTEX	
890-8450-6	B - 108 - 2'	Total/NA	Solid	Total BTEX	
890-8450-7	B - 109 - 2'	Total/NA	Solid	Total BTEX	
890-8450-8	B - 110 - 2'	Total/NA	Solid	Total BTEX	
890-8450-9	B - 111 - 2'	Total/NA	Solid	Total BTEX	
890-8450-10	B - 112 - 2'	Total/NA	Solid	Total BTEX	
890-8450-11	B - 113 - 2'	Total/NA	Solid	Total BTEX	
890-8450-12	B - 114 - 2'	Total/NA	Solid	Total BTEX	
890-8450-13	B - 115 - 2'	Total/NA	Solid	Total BTEX	
890-8450-14	B - 116 - 2'	Total/NA	Solid	Total BTEX	
890-8450-15	B - 117 - 2'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC VOA (Continued)

Analysis Batch: 114386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-16	B - 103 - 2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-7	B-2-4	Total/NA	Solid	8015NM Prep	
890-8256-9	B-4-4	Total/NA	Solid	8015NM Prep	
890-8256-11	B-6-4	Total/NA	Solid	8015NM Prep	
890-8256-12	B-8-4	Total/NA	Solid	8015NM Prep	
890-8256-13	B-12-4	Total/NA	Solid	8015NM Prep	
MB 880-111118/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111118/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111118/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 111268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Total/NA	Solid	8015NM Prep	
890-8256-2	SW-2-0-4	Total/NA	Solid	8015NM Prep	
890-8256-3	SW-3-0-4	Total/NA	Solid	8015NM Prep	
890-8256-4	SW-4-0-4	Total/NA	Solid	8015NM Prep	
890-8256-5	SW-5-0-4	Total/NA	Solid	8015NM Prep	
890-8256-6	SW-6-0-4	Total/NA	Solid	8015NM Prep	
MB 880-111268/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111268/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111268/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 111283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-14	B-18-4	Total/NA	Solid	8015NM Prep	
890-8256-15	B-19-4	Total/NA	Solid	8015NM Prep	
890-8256-16	B-20-4	Total/NA	Solid	8015NM Prep	
890-8256-17	B-21-4	Total/NA	Solid	8015NM Prep	
890-8256-18	B-22-4	Total/NA	Solid	8015NM Prep	
890-8256-20	SW-7-0-2	Total/NA	Solid	8015NM Prep	
890-8256-21	SW-9-0-2	Total/NA	Solid	8015NM Prep	
890-8256-22	SW-11-0-2	Total/NA	Solid	8015NM Prep	
MB 880-111283/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111283/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111283/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8256-14 MS	B-18-4	Total/NA	Solid	8015NM Prep	
890-8256-14 MSD	B-18-4	Total/NA	Solid	8015NM Prep	

Prep Batch: 111328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-8	B-3-4	Total/NA	Solid	8015NM Prep	
890-8256-10	B-5-4	Total/NA	Solid	8015NM Prep	
890-8256-19	B-23-4	Total/NA	Solid	8015NM Prep	
MB 880-111328/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111328/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111328/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA

Analysis Batch: 111332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-7	B-2-4	Total/NA	Solid	8015B NM	111118
890-8256-9	B-4-4	Total/NA	Solid	8015B NM	111118
890-8256-11	B-6-4	Total/NA	Solid	8015B NM	111118
890-8256-12	B-8-4	Total/NA	Solid	8015B NM	111118
890-8256-13	B-12-4	Total/NA	Solid	8015B NM	111118
890-8256-14	B-18-4	Total/NA	Solid	8015B NM	111283
890-8256-15	B-19-4	Total/NA	Solid	8015B NM	111283
890-8256-16	B-20-4	Total/NA	Solid	8015B NM	111283
890-8256-17	B-21-4	Total/NA	Solid	8015B NM	111283
890-8256-18	B-22-4	Total/NA	Solid	8015B NM	111283
890-8256-20	SW-7-0-2	Total/NA	Solid	8015B NM	111283
890-8256-21	SW-9-0-2	Total/NA	Solid	8015B NM	111283
890-8256-22	SW-11-0-2	Total/NA	Solid	8015B NM	111283
MB 880-111118/1-A	Method Blank	Total/NA	Solid	8015B NM	111118
MB 880-111283/1-A	Method Blank	Total/NA	Solid	8015B NM	111283
LCS 880-111118/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111118
LCS 880-111283/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111283
LCSD 880-111118/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111118
LCSD 880-111283/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111283
890-8256-14 MS	B-18-4	Total/NA	Solid	8015B NM	111283
890-8256-14 MSD	B-18-4	Total/NA	Solid	8015B NM	111283

Analysis Batch: 111334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Total/NA	Solid	8015B NM	111268
890-8256-2	SW-2-0-4	Total/NA	Solid	8015B NM	111268
890-8256-3	SW-3-0-4	Total/NA	Solid	8015B NM	111268
890-8256-4	SW-4-0-4	Total/NA	Solid	8015B NM	111268
890-8256-5	SW-5-0-4	Total/NA	Solid	8015B NM	111268
890-8256-6	SW-6-0-4	Total/NA	Solid	8015B NM	111268
MB 880-111268/1-A	Method Blank	Total/NA	Solid	8015B NM	111268
LCS 880-111268/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111268
LCSD 880-111268/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111268

Analysis Batch: 111416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Total/NA	Solid	8015 NM	
890-8256-2	SW-2-0-4	Total/NA	Solid	8015 NM	
890-8256-3	SW-3-0-4	Total/NA	Solid	8015 NM	
890-8256-4	SW-4-0-4	Total/NA	Solid	8015 NM	
890-8256-5	SW-5-0-4	Total/NA	Solid	8015 NM	
890-8256-6	SW-6-0-4	Total/NA	Solid	8015 NM	
890-8256-7	B-2-4	Total/NA	Solid	8015 NM	
890-8256-8	B-3-4	Total/NA	Solid	8015 NM	
890-8256-9	B-4-4	Total/NA	Solid	8015 NM	
890-8256-10	B-5-4	Total/NA	Solid	8015 NM	
890-8256-11	B-6-4	Total/NA	Solid	8015 NM	
890-8256-12	B-8-4	Total/NA	Solid	8015 NM	
890-8256-13	B-12-4	Total/NA	Solid	8015 NM	
890-8256-14	B-18-4	Total/NA	Solid	8015 NM	
890-8256-15	B-19-4	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 111416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-16	B-20-4	Total/NA	Solid	8015 NM	
890-8256-17	B-21-4	Total/NA	Solid	8015 NM	
890-8256-18	B-22-4	Total/NA	Solid	8015 NM	
890-8256-19	B-23-4	Total/NA	Solid	8015 NM	
890-8256-20	SW-7-0-2	Total/NA	Solid	8015 NM	
890-8256-21	SW-9-0-2	Total/NA	Solid	8015 NM	
890-8256-22	SW-11-0-2	Total/NA	Solid	8015 NM	

Analysis Batch: 111418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-8	B-3-4	Total/NA	Solid	8015B NM	111328
890-8256-10	B-5-4	Total/NA	Solid	8015B NM	111328
890-8256-19	B-23-4	Total/NA	Solid	8015B NM	111328
MB 880-111328/1-A	Method Blank	Total/NA	Solid	8015B NM	111328
LCS 880-111328/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111328
LCSD 880-111328/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111328

Prep Batch: 111444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-11	B - 27 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-12	B - 28 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-13	B - 29 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-14	B - 30 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-15	SW - 8 - 0-2'	Total/NA	Solid	8015NM Prep	
890-8260-16	SW - 12 - 0-2'	Total/NA	Solid	8015NM Prep	
890-8260-17	SW - 13 - 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-111444/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111444/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111444/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 111453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-2	B - 17 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-3	B - 1 - 4'	Total/NA	Solid	8015NM Prep	
890-8260-4	B - 7 - 4'	Total/NA	Solid	8015NM Prep	
890-8260-5	B - 9 - 4'	Total/NA	Solid	8015NM Prep	
890-8260-6	B - 10 - 4'	Total/NA	Solid	8015NM Prep	
890-8260-7	B - 11 - 4'	Total/NA	Solid	8015NM Prep	
890-8260-8	B - 24 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-9	B - 25 - 2'	Total/NA	Solid	8015NM Prep	
890-8260-10	B - 26 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-1	B - 13 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-2	B - 14 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-3	B - 15 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-4	B - 16 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-5	B - 31 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-6	B - 32 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-7	B - 33 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-8	B - 34 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-9	SW - 14 - 0-2'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Prep Batch: 111453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-10	SW - 15 - 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-111453/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111453/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111453/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8266-1 MS	B - 13 - 2'	Total/NA	Solid	8015NM Prep	
890-8266-1 MSD	B - 13 - 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Total/NA	Solid	8015B NM	111453
890-8260-2	B - 17 - 2'	Total/NA	Solid	8015B NM	111453
890-8260-3	B - 1 - 4'	Total/NA	Solid	8015B NM	111453
890-8260-4	B - 7 - 4'	Total/NA	Solid	8015B NM	111453
890-8260-5	B - 9 - 4'	Total/NA	Solid	8015B NM	111453
890-8260-6	B - 10 - 4'	Total/NA	Solid	8015B NM	111453
890-8260-7	B - 11 - 4'	Total/NA	Solid	8015B NM	111453
890-8260-8	B - 24 - 2'	Total/NA	Solid	8015B NM	111453
890-8260-9	B - 25 - 2'	Total/NA	Solid	8015B NM	111453
890-8260-10	B - 26 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-1	B - 13 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-2	B - 14 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-3	B - 15 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-4	B - 16 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-5	B - 31 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-6	B - 32 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-7	B - 33 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-8	B - 34 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-9	SW - 14 - 0-2'	Total/NA	Solid	8015B NM	111453
890-8266-10	SW - 15 - 0-2'	Total/NA	Solid	8015B NM	111453
MB 880-111453/1-A	Method Blank	Total/NA	Solid	8015B NM	111453
LCS 880-111453/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111453
LCSD 880-111453/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111453
890-8266-1 MS	B - 13 - 2'	Total/NA	Solid	8015B NM	111453
890-8266-1 MSD	B - 13 - 2'	Total/NA	Solid	8015B NM	111453

Prep Batch: 111501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8268-1	BACKFILL	Total/NA	Solid	8015NM Prep	
MB 880-111501/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111501/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111501/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-11	B - 27 - 2'	Total/NA	Solid	8015B NM	111444
890-8260-12	B - 28 - 2'	Total/NA	Solid	8015B NM	111444
890-8260-13	B - 29 - 2'	Total/NA	Solid	8015B NM	111444
890-8260-14	B - 30 - 2'	Total/NA	Solid	8015B NM	111444
890-8260-15	SW - 8 - 0-2'	Total/NA	Solid	8015B NM	111444
890-8260-16	SW - 12 - 0-2'	Total/NA	Solid	8015B NM	111444
890-8260-17	SW - 13 - 0-2'	Total/NA	Solid	8015B NM	111444

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 111505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-111444/1-A	Method Blank	Total/NA	Solid	8015B NM	111444
LCS 880-111444/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111444
LCSD 880-111444/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111444

Analysis Batch: 111538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-1	B - 13 - 2'	Total/NA	Solid	8015 NM	
890-8266-2	B - 14 - 2'	Total/NA	Solid	8015 NM	
890-8266-3	B - 15 - 2'	Total/NA	Solid	8015 NM	
890-8266-4	B - 16 - 2'	Total/NA	Solid	8015 NM	
890-8266-5	B - 31 - 2'	Total/NA	Solid	8015 NM	
890-8266-6	B - 32 - 2'	Total/NA	Solid	8015 NM	
890-8266-7	B - 33 - 2'	Total/NA	Solid	8015 NM	
890-8266-8	B - 34 - 2'	Total/NA	Solid	8015 NM	
890-8266-9	SW - 14 - 0-2'	Total/NA	Solid	8015 NM	
890-8266-10	SW - 15 - 0-2'	Total/NA	Solid	8015 NM	

Analysis Batch: 111539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Total/NA	Solid	8015 NM	
890-8260-2	B - 17 - 2'	Total/NA	Solid	8015 NM	
890-8260-3	B - 1 - 4'	Total/NA	Solid	8015 NM	
890-8260-4	B - 7 - 4'	Total/NA	Solid	8015 NM	
890-8260-5	B - 9 - 4'	Total/NA	Solid	8015 NM	
890-8260-6	B - 10 - 4'	Total/NA	Solid	8015 NM	
890-8260-7	B - 11 - 4'	Total/NA	Solid	8015 NM	
890-8260-8	B - 24 - 2'	Total/NA	Solid	8015 NM	
890-8260-9	B - 25 - 2'	Total/NA	Solid	8015 NM	
890-8260-10	B - 26 - 2'	Total/NA	Solid	8015 NM	
890-8260-11	B - 27 - 2'	Total/NA	Solid	8015 NM	
890-8260-12	B - 28 - 2'	Total/NA	Solid	8015 NM	
890-8260-13	B - 29 - 2'	Total/NA	Solid	8015 NM	
890-8260-14	B - 30 - 2'	Total/NA	Solid	8015 NM	
890-8260-15	SW - 8 - 0-2'	Total/NA	Solid	8015 NM	
890-8260-16	SW - 12 - 0-2'	Total/NA	Solid	8015 NM	
890-8260-17	SW - 13 - 0-2'	Total/NA	Solid	8015 NM	

Analysis Batch: 111564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8268-1	BACKFILL	Total/NA	Solid	8015B NM	111501
MB 880-111501/1-A	Method Blank	Total/NA	Solid	8015B NM	111501
LCS 880-111501/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111501
LCSD 880-111501/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111501

Analysis Batch: 111618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8268-1	BACKFILL	Total/NA	Solid	8015 NM	

Prep Batch: 112264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-1	B - 35 - 2'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Prep Batch: 112264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-2	B - 36 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-3	B - 37 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-4	B - 38 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-5	B - 39 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-6	B - 40 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-7	B - 41 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-8	B - 42 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-9	B - 43 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-10	B - 44 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-11	B - 45 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-12	B - 46 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-13	SW - 16 - 0-2'	Total/NA	Solid	8015NM Prep	
890-8292-14	SW - 17 - 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-112264/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112264/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112264/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8292-1 MS	B - 35 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-1 MSD	B - 35 - 2'	Total/NA	Solid	8015NM Prep	

Prep Batch: 112265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-15	B - 47 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-16	B - 48 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-17	B - 49 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-18	B - 50 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-19	B - 51 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-20	B - 52 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-21	B - 53 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-22	B - 54 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-23	B - 55 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-24	B - 56 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-25	B - 57 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-26	SW - 18 - 0-2'	Total/NA	Solid	8015NM Prep	
890-8292-27	SW - 19 - 0-2'	Total/NA	Solid	8015NM Prep	
890-8292-28	SW - 20 - 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-112265/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112265/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112265/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8292-15 MS	B - 47 - 2'	Total/NA	Solid	8015NM Prep	
890-8292-15 MSD	B - 47 - 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-1	B - 35 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-2	B - 36 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-3	B - 37 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-4	B - 38 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-5	B - 39 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-6	B - 40 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-7	B - 41 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-8	B - 42 - 2'	Total/NA	Solid	8015B NM	112264

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 112301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-9	B - 43 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-10	B - 44 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-11	B - 45 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-12	B - 46 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-13	SW - 16 - 0-2'	Total/NA	Solid	8015B NM	112264
890-8292-14	SW - 17 - 0-2'	Total/NA	Solid	8015B NM	112264
MB 880-112264/1-A	Method Blank	Total/NA	Solid	8015B NM	112264
LCS 880-112264/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112264
LCSD 880-112264/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112264
890-8292-1 MS	B - 35 - 2'	Total/NA	Solid	8015B NM	112264
890-8292-1 MSD	B - 35 - 2'	Total/NA	Solid	8015B NM	112264

Analysis Batch: 112303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-15	B - 47 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-16	B - 48 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-17	B - 49 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-18	B - 50 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-19	B - 51 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-20	B - 52 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-21	B - 53 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-22	B - 54 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-23	B - 55 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-24	B - 56 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-25	B - 57 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-26	SW - 18 - 0-2'	Total/NA	Solid	8015B NM	112265
890-8292-27	SW - 19 - 0-2'	Total/NA	Solid	8015B NM	112265
890-8292-28	SW - 20 - 0-2'	Total/NA	Solid	8015B NM	112265
MB 880-112265/1-A	Method Blank	Total/NA	Solid	8015B NM	112265
LCS 880-112265/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112265
LCSD 880-112265/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112265
890-8292-15 MS	B - 47 - 2'	Total/NA	Solid	8015B NM	112265
890-8292-15 MSD	B - 47 - 2'	Total/NA	Solid	8015B NM	112265

Analysis Batch: 112378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-1	B - 35 - 2'	Total/NA	Solid	8015 NM	
890-8292-2	B - 36 - 2'	Total/NA	Solid	8015 NM	
890-8292-3	B - 37 - 2'	Total/NA	Solid	8015 NM	
890-8292-4	B - 38 - 2'	Total/NA	Solid	8015 NM	
890-8292-5	B - 39 - 2'	Total/NA	Solid	8015 NM	
890-8292-6	B - 40 - 2'	Total/NA	Solid	8015 NM	
890-8292-7	B - 41 - 2'	Total/NA	Solid	8015 NM	
890-8292-8	B - 42 - 2'	Total/NA	Solid	8015 NM	
890-8292-9	B - 43 - 2'	Total/NA	Solid	8015 NM	
890-8292-10	B - 44 - 2'	Total/NA	Solid	8015 NM	
890-8292-11	B - 45 - 2'	Total/NA	Solid	8015 NM	
890-8292-12	B - 46 - 2'	Total/NA	Solid	8015 NM	
890-8292-13	SW - 16 - 0-2'	Total/NA	Solid	8015 NM	
890-8292-14	SW - 17 - 0-2'	Total/NA	Solid	8015 NM	
890-8292-15	B - 47 - 2'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 112378 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-16	B - 48 - 2'	Total/NA	Solid	8015 NM	
890-8292-17	B - 49 - 2'	Total/NA	Solid	8015 NM	
890-8292-18	B - 50 - 2'	Total/NA	Solid	8015 NM	
890-8292-19	B - 51 - 2'	Total/NA	Solid	8015 NM	
890-8292-20	B - 52 - 2'	Total/NA	Solid	8015 NM	
890-8292-21	B - 53 - 2'	Total/NA	Solid	8015 NM	
890-8292-22	B - 54 - 2'	Total/NA	Solid	8015 NM	
890-8292-23	B - 55 - 2'	Total/NA	Solid	8015 NM	
890-8292-24	B - 56 - 2'	Total/NA	Solid	8015 NM	
890-8292-25	B - 57 - 2'	Total/NA	Solid	8015 NM	
890-8292-26	SW - 18 - 0-2'	Total/NA	Solid	8015 NM	
890-8292-27	SW - 19 - 0-2'	Total/NA	Solid	8015 NM	
890-8292-28	SW - 20 - 0-2'	Total/NA	Solid	8015 NM	

Prep Batch: 112651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Total/NA	Solid	8015NM Prep	
880-59525-2	SW-15-0-2'	Total/NA	Solid	8015NM Prep	
880-59525-3	B-59-2'	Total/NA	Solid	8015NM Prep	
880-59525-4	B-60-2'	Total/NA	Solid	8015NM Prep	
880-59525-5	B-61-2'	Total/NA	Solid	8015NM Prep	
880-59525-6	B-62-2'	Total/NA	Solid	8015NM Prep	
880-59525-7	SW-21--0-2'	Total/NA	Solid	8015NM Prep	
880-59525-8	B-45-2.5'	Total/NA	Solid	8015NM Prep	
880-59525-9	B-44-2.5'	Total/NA	Solid	8015NM Prep	
MB 880-112651/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112651/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59525-1 MS	B-58-2'	Total/NA	Solid	8015NM Prep	
880-59525-1 MSD	B-58-2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Total/NA	Solid	8015B NM	112651
880-59525-2	SW-15-0-2'	Total/NA	Solid	8015B NM	112651
880-59525-3	B-59-2'	Total/NA	Solid	8015B NM	112651
880-59525-4	B-60-2'	Total/NA	Solid	8015B NM	112651
880-59525-5	B-61-2'	Total/NA	Solid	8015B NM	112651
880-59525-6	B-62-2'	Total/NA	Solid	8015B NM	112651
880-59525-7	SW-21--0-2'	Total/NA	Solid	8015B NM	112651
880-59525-8	B-45-2.5'	Total/NA	Solid	8015B NM	112651
880-59525-9	B-44-2.5'	Total/NA	Solid	8015B NM	112651
MB 880-112651/1-A	Method Blank	Total/NA	Solid	8015B NM	112651
LCS 880-112651/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112651
LCSD 880-112651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112651
880-59525-1 MS	B-58-2'	Total/NA	Solid	8015B NM	112651
880-59525-1 MSD	B-58-2'	Total/NA	Solid	8015B NM	112651

Analysis Batch: 112710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 112710 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-2	SW-15-0-2'	Total/NA	Solid	8015 NM	
880-59525-3	B-59-2'	Total/NA	Solid	8015 NM	
880-59525-4	B-60-2'	Total/NA	Solid	8015 NM	
880-59525-5	B-61-2'	Total/NA	Solid	8015 NM	
880-59525-6	B-62-2'	Total/NA	Solid	8015 NM	
880-59525-7	SW-21--0-2'	Total/NA	Solid	8015 NM	
880-59525-8	B-45-2.5'	Total/NA	Solid	8015 NM	
880-59525-9	B-44-2.5'	Total/NA	Solid	8015 NM	

Prep Batch: 112819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Total/NA	Solid	8015NM Prep	
890-8341-2	B-63-2	Total/NA	Solid	8015NM Prep	
890-8341-3	B-64-2	Total/NA	Solid	8015NM Prep	
890-8341-4	B-65-2	Total/NA	Solid	8015NM Prep	
890-8341-5	B-66-2	Total/NA	Solid	8015NM Prep	
890-8341-6	B-67-2	Total/NA	Solid	8015NM Prep	
890-8341-7	B-68-2	Total/NA	Solid	8015NM Prep	
MB 880-112819/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8341-1 MS	SW-22-0-2	Total/NA	Solid	8015NM Prep	
890-8341-1 MSD	SW-22-0-2	Total/NA	Solid	8015NM Prep	

Prep Batch: 112820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-8	B-69-2	Total/NA	Solid	8015NM Prep	
890-8341-9	B-70-2	Total/NA	Solid	8015NM Prep	
890-8341-10	B-71-2	Total/NA	Solid	8015NM Prep	
890-8341-11	B-72-2	Total/NA	Solid	8015NM Prep	
890-8341-12	B-73-2	Total/NA	Solid	8015NM Prep	
890-8341-13	B-74-2	Total/NA	Solid	8015NM Prep	
890-8341-14	SW-23-0-2	Total/NA	Solid	8015NM Prep	
MB 880-112820/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112820/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112820/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8341-8 MS	B-69-2	Total/NA	Solid	8015NM Prep	
890-8341-8 MSD	B-69-2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Total/NA	Solid	8015B NM	112819
890-8341-2	B-63-2	Total/NA	Solid	8015B NM	112819
890-8341-3	B-64-2	Total/NA	Solid	8015B NM	112819
890-8341-4	B-65-2	Total/NA	Solid	8015B NM	112819
890-8341-5	B-66-2	Total/NA	Solid	8015B NM	112819
890-8341-6	B-67-2	Total/NA	Solid	8015B NM	112819
890-8341-7	B-68-2	Total/NA	Solid	8015B NM	112819
MB 880-112819/1-A	Method Blank	Total/NA	Solid	8015B NM	112819
LCS 880-112819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112819
LCSD 880-112819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112819

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 112856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1 MS	SW-22-0-2	Total/NA	Solid	8015B NM	112819
890-8341-1 MSD	SW-22-0-2	Total/NA	Solid	8015B NM	112819

Analysis Batch: 112858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-8	B-69-2	Total/NA	Solid	8015B NM	112820
890-8341-9	B-70-2	Total/NA	Solid	8015B NM	112820
890-8341-10	B-71-2	Total/NA	Solid	8015B NM	112820
890-8341-11	B-72-2	Total/NA	Solid	8015B NM	112820
890-8341-12	B-73-2	Total/NA	Solid	8015B NM	112820
890-8341-13	B-74-2	Total/NA	Solid	8015B NM	112820
890-8341-14	SW-23-0-2	Total/NA	Solid	8015B NM	112820
MB 880-112820/1-A	Method Blank	Total/NA	Solid	8015B NM	112820
LCS 880-112820/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112820
LCSD 880-112820/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112820
890-8341-8 MS	B-69-2	Total/NA	Solid	8015B NM	112820
890-8341-8 MSD	B-69-2	Total/NA	Solid	8015B NM	112820

Analysis Batch: 112915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Total/NA	Solid	8015 NM	
890-8341-2	B-63-2	Total/NA	Solid	8015 NM	
890-8341-3	B-64-2	Total/NA	Solid	8015 NM	
890-8341-4	B-65-2	Total/NA	Solid	8015 NM	
890-8341-5	B-66-2	Total/NA	Solid	8015 NM	
890-8341-6	B-67-2	Total/NA	Solid	8015 NM	
890-8341-7	B-68-2	Total/NA	Solid	8015 NM	
890-8341-8	B-69-2	Total/NA	Solid	8015 NM	
890-8341-9	B-70-2	Total/NA	Solid	8015 NM	
890-8341-10	B-71-2	Total/NA	Solid	8015 NM	
890-8341-11	B-72-2	Total/NA	Solid	8015 NM	
890-8341-12	B-73-2	Total/NA	Solid	8015 NM	
890-8341-13	B-74-2	Total/NA	Solid	8015 NM	
890-8341-14	SW-23-0-2	Total/NA	Solid	8015 NM	

Analysis Batch: 113522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-2	SW-24-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-3	SW-25-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-4	SW-27-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-5	B-75-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-6	B-76-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-7	B-77-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-8	B-78-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-9	SW-28-0-4'	Total/NA	Solid	8015B NM	113536
880-59967-10	SW-29-0-4'	Total/NA	Solid	8015B NM	113536
880-59967-11	B-80-4'	Total/NA	Solid	8015B NM	113536
880-59967-12	B-81-4'	Total/NA	Solid	8015B NM	113536
880-59967-13	B-79-2'	Total/NA	Solid	8015B NM	113536
MB 880-113536/1-A	Method Blank	Total/NA	Solid	8015B NM	113536

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 113522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-113536/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113536
LCSD 880-113536/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113536
880-59967-1 MS	SW-26-0-2'	Total/NA	Solid	8015B NM	113536
880-59967-1 MSD	SW-26-0-2'	Total/NA	Solid	8015B NM	113536

Prep Batch: 113536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-2	SW-24-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-3	SW-25-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-4	SW-27-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-5	B-75-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-6	B-76-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-7	B-77-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-8	B-78-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-9	SW-28-0-4'	Total/NA	Solid	8015NM Prep	
880-59967-10	SW-29-0-4'	Total/NA	Solid	8015NM Prep	
880-59967-11	B-80-4'	Total/NA	Solid	8015NM Prep	
880-59967-12	B-81-4'	Total/NA	Solid	8015NM Prep	
880-59967-13	B-79-2'	Total/NA	Solid	8015NM Prep	
MB 880-113536/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113536/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113536/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59967-1 MS	SW-26-0-2'	Total/NA	Solid	8015NM Prep	
880-59967-1 MSD	SW-26-0-2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Total/NA	Solid	8015 NM	
880-59967-2	SW-24-0-2'	Total/NA	Solid	8015 NM	
880-59967-3	SW-25-0-2'	Total/NA	Solid	8015 NM	
880-59967-4	SW-27-0-2'	Total/NA	Solid	8015 NM	
880-59967-5	B-75-0-2'	Total/NA	Solid	8015 NM	
880-59967-6	B-76-0-2'	Total/NA	Solid	8015 NM	
880-59967-7	B-77-0-2'	Total/NA	Solid	8015 NM	
880-59967-8	B-78-0-2'	Total/NA	Solid	8015 NM	
880-59967-9	SW-28-0-4'	Total/NA	Solid	8015 NM	
880-59967-10	SW-29-0-4'	Total/NA	Solid	8015 NM	
880-59967-11	B-80-4'	Total/NA	Solid	8015 NM	
880-59967-12	B-81-4'	Total/NA	Solid	8015 NM	
880-59967-13	B-79-2'	Total/NA	Solid	8015 NM	

Prep Batch: 113941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-1	SW - 30 - 0-2'	Total/NA	Solid	8015NM Prep	
890-8428-2	B - 82 - 2'	Total/NA	Solid	8015NM Prep	
890-8428-3	B - 83 - 2'	Total/NA	Solid	8015NM Prep	
890-8428-4	B - 84 - 2'	Total/NA	Solid	8015NM Prep	
890-8428-5	B - 85 - 2'	Total/NA	Solid	8015NM Prep	
890-8428-6	B - 86 - 2'	Total/NA	Solid	8015NM Prep	
890-8428-7	B - 87 - 2'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Prep Batch: 113941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-8	B - 88 - 2'	Total/NA	Solid	8015NM Prep	
890-8428-9	B - 89 - 2'	Total/NA	Solid	8015NM Prep	
890-8428-10	B - 90 - 2'	Total/NA	Solid	8015NM Prep	
MB 880-113941/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113941/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113941/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8428-1 MS	SW - 30 - 0-2'	Total/NA	Solid	8015NM Prep	
890-8428-1 MSD	SW - 30 - 0-2'	Total/NA	Solid	8015NM Prep	

Prep Batch: 114067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Total/NA	Solid	8015NM Prep	
890-8448-2	B-92-2	Total/NA	Solid	8015NM Prep	
890-8448-3	B-93-2	Total/NA	Solid	8015NM Prep	
890-8448-4	B-94-2	Total/NA	Solid	8015NM Prep	
890-8448-5	B-95-2	Total/NA	Solid	8015NM Prep	
890-8448-6	B-96-2	Total/NA	Solid	8015NM Prep	
890-8448-7	B-99-2	Total/NA	Solid	8015NM Prep	
890-8448-8	B-100-2	Total/NA	Solid	8015NM Prep	
890-8448-9	B-101-2	Total/NA	Solid	8015NM Prep	
890-8448-10	B-102-2	Total/NA	Solid	8015NM Prep	
890-8448-11	B-104-2	Total/NA	Solid	8015NM Prep	
MB 880-114067/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114067/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114067/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 114068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-12	SW-31-0-2	Total/NA	Solid	8015NM Prep	
890-8448-13	SW-32-0-2	Total/NA	Solid	8015NM Prep	
890-8448-14	SW-33-0-2	Total/NA	Solid	8015NM Prep	
890-8448-15	SW-34-0-2	Total/NA	Solid	8015NM Prep	
MB 880-114068/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114068/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114068/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8448-12 MS	SW-31-0-2	Total/NA	Solid	8015NM Prep	
890-8448-12 MSD	SW-31-0-2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-1	SW - 30 - 0-2'	Total/NA	Solid	8015B NM	113941
890-8428-2	B - 82 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-3	B - 83 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-4	B - 84 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-5	B - 85 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-6	B - 86 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-7	B - 87 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-8	B - 88 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-9	B - 89 - 2'	Total/NA	Solid	8015B NM	113941
890-8428-10	B - 90 - 2'	Total/NA	Solid	8015B NM	113941
MB 880-113941/1-A	Method Blank	Total/NA	Solid	8015B NM	113941

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 114088 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-113941/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113941
LCSD 880-113941/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113941
890-8428-1 MS	SW - 30 - 0-2'	Total/NA	Solid	8015B NM	113941
890-8428-1 MSD	SW - 30 - 0-2'	Total/NA	Solid	8015B NM	113941

Prep Batch: 114193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-16	SW-35-0-4	Total/NA	Solid	8015NM Prep	
MB 880-114193/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114193/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-1	SW - 30 - 0-2'	Total/NA	Solid	8015 NM	
890-8428-2	B - 82 - 2'	Total/NA	Solid	8015 NM	
890-8428-3	B - 83 - 2'	Total/NA	Solid	8015 NM	
890-8428-4	B - 84 - 2'	Total/NA	Solid	8015 NM	
890-8428-5	B - 85 - 2'	Total/NA	Solid	8015 NM	
890-8428-6	B - 86 - 2'	Total/NA	Solid	8015 NM	
890-8428-7	B - 87 - 2'	Total/NA	Solid	8015 NM	
890-8428-8	B - 88 - 2'	Total/NA	Solid	8015 NM	
890-8428-9	B - 89 - 2'	Total/NA	Solid	8015 NM	
890-8428-10	B - 90 - 2'	Total/NA	Solid	8015 NM	

Analysis Batch: 114224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Total/NA	Solid	8015B NM	114067
890-8448-2	B-92-2	Total/NA	Solid	8015B NM	114067
890-8448-3	B-93-2	Total/NA	Solid	8015B NM	114067
890-8448-4	B-94-2	Total/NA	Solid	8015B NM	114067
890-8448-5	B-95-2	Total/NA	Solid	8015B NM	114067
890-8448-6	B-96-2	Total/NA	Solid	8015B NM	114067
890-8448-7	B-99-2	Total/NA	Solid	8015B NM	114067
890-8448-8	B-100-2	Total/NA	Solid	8015B NM	114067
890-8448-9	B-101-2	Total/NA	Solid	8015B NM	114067
890-8448-10	B-102-2	Total/NA	Solid	8015B NM	114067
890-8448-11	B-104-2	Total/NA	Solid	8015B NM	114067
MB 880-114067/1-A	Method Blank	Total/NA	Solid	8015B NM	114067
LCS 880-114067/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114067
LCSD 880-114067/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114067

Analysis Batch: 114226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-12	SW-31-0-2	Total/NA	Solid	8015B NM	114068
890-8448-13	SW-32-0-2	Total/NA	Solid	8015B NM	114068
890-8448-14	SW-33-0-2	Total/NA	Solid	8015B NM	114068
890-8448-15	SW-34-0-2	Total/NA	Solid	8015B NM	114068
MB 880-114068/1-A	Method Blank	Total/NA	Solid	8015B NM	114068
LCS 880-114068/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114068
LCSD 880-114068/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114068

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 114226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-12 MS	SW-31-0-2	Total/NA	Solid	8015B NM	114068
890-8448-12 MSD	SW-31-0-2	Total/NA	Solid	8015B NM	114068

Prep Batch: 114246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-2	B - 98 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-3	B - 105 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-4	B - 106 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-5	B - 107 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-6	B - 108 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-7	B - 109 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-8	B - 110 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-9	B - 111 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-10	B - 112 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-11	B - 113 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-12	B - 114 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-13	B - 115 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-14	B - 116 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-15	B - 117 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-16	B - 103 - 2'	Total/NA	Solid	8015NM Prep	
MB 880-114246/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114246/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8450-1 MS	B - 97 - 2'	Total/NA	Solid	8015NM Prep	
890-8450-1 MSD	B - 97 - 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Total/NA	Solid	8015 NM	
890-8448-2	B-92-2	Total/NA	Solid	8015 NM	
890-8448-3	B-93-2	Total/NA	Solid	8015 NM	
890-8448-4	B-94-2	Total/NA	Solid	8015 NM	
890-8448-5	B-95-2	Total/NA	Solid	8015 NM	
890-8448-6	B-96-2	Total/NA	Solid	8015 NM	
890-8448-7	B-99-2	Total/NA	Solid	8015 NM	
890-8448-8	B-100-2	Total/NA	Solid	8015 NM	
890-8448-9	B-101-2	Total/NA	Solid	8015 NM	
890-8448-10	B-102-2	Total/NA	Solid	8015 NM	
890-8448-11	B-104-2	Total/NA	Solid	8015 NM	
890-8448-12	SW-31-0-2	Total/NA	Solid	8015 NM	
890-8448-13	SW-32-0-2	Total/NA	Solid	8015 NM	
890-8448-14	SW-33-0-2	Total/NA	Solid	8015 NM	
890-8448-15	SW-34-0-2	Total/NA	Solid	8015 NM	
890-8448-16	SW-35-0-4	Total/NA	Solid	8015 NM	

Analysis Batch: 114289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-2	B - 98 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-3	B - 105 - 2'	Total/NA	Solid	8015B NM	114246

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

GC Semi VOA (Continued)

Analysis Batch: 114289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-4	B - 106 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-5	B - 107 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-6	B - 108 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-7	B - 109 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-8	B - 110 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-9	B - 111 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-10	B - 112 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-11	B - 113 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-12	B - 114 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-13	B - 115 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-14	B - 116 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-15	B - 117 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-16	B - 103 - 2'	Total/NA	Solid	8015B NM	114246
MB 880-114246/1-A	Method Blank	Total/NA	Solid	8015B NM	114246
LCS 880-114246/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114246
LCSD 880-114246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114246
890-8450-1 MS	B - 97 - 2'	Total/NA	Solid	8015B NM	114246
890-8450-1 MSD	B - 97 - 2'	Total/NA	Solid	8015B NM	114246

Analysis Batch: 114368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Total/NA	Solid	8015 NM	
890-8450-2	B - 98 - 2'	Total/NA	Solid	8015 NM	
890-8450-3	B - 105 - 2'	Total/NA	Solid	8015 NM	
890-8450-4	B - 106 - 2'	Total/NA	Solid	8015 NM	
890-8450-5	B - 107 - 2'	Total/NA	Solid	8015 NM	
890-8450-6	B - 108 - 2'	Total/NA	Solid	8015 NM	
890-8450-7	B - 109 - 2'	Total/NA	Solid	8015 NM	
890-8450-8	B - 110 - 2'	Total/NA	Solid	8015 NM	
890-8450-9	B - 111 - 2'	Total/NA	Solid	8015 NM	
890-8450-10	B - 112 - 2'	Total/NA	Solid	8015 NM	
890-8450-11	B - 113 - 2'	Total/NA	Solid	8015 NM	
890-8450-12	B - 114 - 2'	Total/NA	Solid	8015 NM	
890-8450-13	B - 115 - 2'	Total/NA	Solid	8015 NM	
890-8450-14	B - 116 - 2'	Total/NA	Solid	8015 NM	
890-8450-15	B - 117 - 2'	Total/NA	Solid	8015 NM	
890-8450-16	B - 103 - 2'	Total/NA	Solid	8015 NM	

Analysis Batch: 114421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-16	SW-35-0-4	Total/NA	Solid	8015B NM	114193
MB 880-114193/1-A	Method Blank	Total/NA	Solid	8015B NM	114193
LCS 880-114193/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114193
LCSD 880-114193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114193

HPLC/IC

Leach Batch: 111278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Soluble	Solid	DI Leach	
890-8256-2	SW-2-0-4	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Leach Batch: 111278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-3	SW-3-0-4	Soluble	Solid	DI Leach	
890-8256-4	SW-4-0-4	Soluble	Solid	DI Leach	
890-8256-5	SW-5-0-4	Soluble	Solid	DI Leach	
890-8256-6	SW-6-0-4	Soluble	Solid	DI Leach	
890-8256-7	B-2-4	Soluble	Solid	DI Leach	
890-8256-8	B-3-4	Soluble	Solid	DI Leach	
890-8256-9	B-4-4	Soluble	Solid	DI Leach	
890-8256-10	B-5-4	Soluble	Solid	DI Leach	
890-8256-11	B-6-4	Soluble	Solid	DI Leach	
890-8256-12	B-8-4	Soluble	Solid	DI Leach	
890-8256-13	B-12-4	Soluble	Solid	DI Leach	
890-8256-14	B-18-4	Soluble	Solid	DI Leach	
890-8256-15	B-19-4	Soluble	Solid	DI Leach	
890-8256-16	B-20-4	Soluble	Solid	DI Leach	
890-8256-17	B-21-4	Soluble	Solid	DI Leach	
890-8256-18	B-22-4	Soluble	Solid	DI Leach	
890-8256-19	B-23-4	Soluble	Solid	DI Leach	
890-8256-20	SW-7-0-2	Soluble	Solid	DI Leach	
MB 880-111278/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111278/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111278/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8256-1 MS	SW-1-0-4	Soluble	Solid	DI Leach	
890-8256-1 MSD	SW-1-0-4	Soluble	Solid	DI Leach	
890-8256-11 MS	B-6-4	Soluble	Solid	DI Leach	
890-8256-11 MSD	B-6-4	Soluble	Solid	DI Leach	

Analysis Batch: 111286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1	SW-1-0-4	Soluble	Solid	300.0	111278
890-8256-2	SW-2-0-4	Soluble	Solid	300.0	111278
890-8256-3	SW-3-0-4	Soluble	Solid	300.0	111278
890-8256-4	SW-4-0-4	Soluble	Solid	300.0	111278
890-8256-5	SW-5-0-4	Soluble	Solid	300.0	111278
890-8256-6	SW-6-0-4	Soluble	Solid	300.0	111278
890-8256-7	B-2-4	Soluble	Solid	300.0	111278
890-8256-8	B-3-4	Soluble	Solid	300.0	111278
890-8256-9	B-4-4	Soluble	Solid	300.0	111278
890-8256-10	B-5-4	Soluble	Solid	300.0	111278
890-8256-11	B-6-4	Soluble	Solid	300.0	111278
890-8256-12	B-8-4	Soluble	Solid	300.0	111278
890-8256-13	B-12-4	Soluble	Solid	300.0	111278
890-8256-14	B-18-4	Soluble	Solid	300.0	111278
890-8256-15	B-19-4	Soluble	Solid	300.0	111278
890-8256-16	B-20-4	Soluble	Solid	300.0	111278
890-8256-17	B-21-4	Soluble	Solid	300.0	111278
890-8256-18	B-22-4	Soluble	Solid	300.0	111278
890-8256-19	B-23-4	Soluble	Solid	300.0	111278
890-8256-20	SW-7-0-2	Soluble	Solid	300.0	111278
MB 880-111278/1-A	Method Blank	Soluble	Solid	300.0	111278
LCS 880-111278/2-A	Lab Control Sample	Soluble	Solid	300.0	111278
LCSD 880-111278/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111278

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Analysis Batch: 111286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-1 MS	SW-1-0-4	Soluble	Solid	300.0	111278
890-8256-1 MSD	SW-1-0-4	Soluble	Solid	300.0	111278
890-8256-11 MS	B-6-4	Soluble	Solid	300.0	111278
890-8256-11 MSD	B-6-4	Soluble	Solid	300.0	111278

Leach Batch: 111290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-21	SW-9-0-2	Soluble	Solid	DI Leach	
890-8256-22	SW-11-0-2	Soluble	Solid	DI Leach	
MB 880-111290/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111290/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111290/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 111336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8256-21	SW-9-0-2	Soluble	Solid	300.0	111290
890-8256-22	SW-11-0-2	Soluble	Solid	300.0	111290
MB 880-111290/1-A	Method Blank	Soluble	Solid	300.0	111290
LCS 880-111290/2-A	Lab Control Sample	Soluble	Solid	300.0	111290
LCSD 880-111290/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111290

Leach Batch: 111363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Soluble	Solid	DI Leach	
890-8260-2	B - 17 - 2'	Soluble	Solid	DI Leach	
890-8260-3	B - 1 - 4'	Soluble	Solid	DI Leach	
890-8260-4	B - 7 - 4'	Soluble	Solid	DI Leach	
890-8260-5	B - 9 - 4'	Soluble	Solid	DI Leach	
890-8260-6	B - 10 - 4'	Soluble	Solid	DI Leach	
890-8260-7	B - 11 - 4'	Soluble	Solid	DI Leach	
890-8260-8	B - 24 - 2'	Soluble	Solid	DI Leach	
890-8260-9	B - 25 - 2'	Soluble	Solid	DI Leach	
890-8260-10	B - 26 - 2'	Soluble	Solid	DI Leach	
890-8260-11	B - 27 - 2'	Soluble	Solid	DI Leach	
890-8260-12	B - 28 - 2'	Soluble	Solid	DI Leach	
890-8260-13	B - 29 - 2'	Soluble	Solid	DI Leach	
890-8260-14	B - 30 - 2'	Soluble	Solid	DI Leach	
890-8260-15	SW - 8 - 0-2'	Soluble	Solid	DI Leach	
890-8260-16	SW - 12 - 0-2'	Soluble	Solid	DI Leach	
890-8260-17	SW - 13 - 0-2'	Soluble	Solid	DI Leach	
MB 880-111363/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111363/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111363/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8260-1 MS	SW - 10 - 0 - 2'	Soluble	Solid	DI Leach	
890-8260-1 MSD	SW - 10 - 0 - 2'	Soluble	Solid	DI Leach	
890-8260-11 MS	B - 27 - 2'	Soluble	Solid	DI Leach	
890-8260-11 MSD	B - 27 - 2'	Soluble	Solid	DI Leach	

Leach Batch: 111454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-1	B - 13 - 2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Leach Batch: 111454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-2	B - 14 - 2'	Soluble	Solid	DI Leach	
890-8266-3	B - 15 - 2'	Soluble	Solid	DI Leach	
890-8266-4	B - 16 - 2'	Soluble	Solid	DI Leach	
890-8266-5	B - 31 - 2'	Soluble	Solid	DI Leach	
890-8266-6	B - 32 - 2'	Soluble	Solid	DI Leach	
890-8266-7	B - 33 - 2'	Soluble	Solid	DI Leach	
890-8266-8	B - 34 - 2'	Soluble	Solid	DI Leach	
890-8266-9	SW - 14 - 0-2'	Soluble	Solid	DI Leach	
890-8266-10	SW - 15 - 0-2'	Soluble	Solid	DI Leach	
MB 880-111454/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111454/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111454/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8266-1 MS	B - 13 - 2'	Soluble	Solid	DI Leach	
890-8266-1 MSD	B - 13 - 2'	Soluble	Solid	DI Leach	

Analysis Batch: 111460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8260-1	SW - 10 - 0 - 2'	Soluble	Solid	300.0	111363
890-8260-2	B - 17 - 2'	Soluble	Solid	300.0	111363
890-8260-3	B - 1 - 4'	Soluble	Solid	300.0	111363
890-8260-4	B - 7 - 4'	Soluble	Solid	300.0	111363
890-8260-5	B - 9 - 4'	Soluble	Solid	300.0	111363
890-8260-6	B - 10 - 4'	Soluble	Solid	300.0	111363
890-8260-7	B - 11 - 4'	Soluble	Solid	300.0	111363
890-8260-8	B - 24 - 2'	Soluble	Solid	300.0	111363
890-8260-9	B - 25 - 2'	Soluble	Solid	300.0	111363
890-8260-10	B - 26 - 2'	Soluble	Solid	300.0	111363
890-8260-11	B - 27 - 2'	Soluble	Solid	300.0	111363
890-8260-12	B - 28 - 2'	Soluble	Solid	300.0	111363
890-8260-13	B - 29 - 2'	Soluble	Solid	300.0	111363
890-8260-14	B - 30 - 2'	Soluble	Solid	300.0	111363
890-8260-15	SW - 8 - 0-2'	Soluble	Solid	300.0	111363
890-8260-16	SW - 12 - 0-2'	Soluble	Solid	300.0	111363
890-8260-17	SW - 13 - 0-2'	Soluble	Solid	300.0	111363
MB 880-111363/1-A	Method Blank	Soluble	Solid	300.0	111363
LCS 880-111363/2-A	Lab Control Sample	Soluble	Solid	300.0	111363
LCSD 880-111363/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111363
890-8260-1 MS	SW - 10 - 0 - 2'	Soluble	Solid	300.0	111363
890-8260-1 MSD	SW - 10 - 0 - 2'	Soluble	Solid	300.0	111363
890-8260-11 MS	B - 27 - 2'	Soluble	Solid	300.0	111363
890-8260-11 MSD	B - 27 - 2'	Soluble	Solid	300.0	111363

Analysis Batch: 111461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-1	B - 13 - 2'	Soluble	Solid	300.0	111454
890-8266-2	B - 14 - 2'	Soluble	Solid	300.0	111454
890-8266-3	B - 15 - 2'	Soluble	Solid	300.0	111454
890-8266-4	B - 16 - 2'	Soluble	Solid	300.0	111454
890-8266-5	B - 31 - 2'	Soluble	Solid	300.0	111454
890-8266-6	B - 32 - 2'	Soluble	Solid	300.0	111454
890-8266-7	B - 33 - 2'	Soluble	Solid	300.0	111454

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Analysis Batch: 111461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8266-8	B - 34 - 2'	Soluble	Solid	300.0	111454
890-8266-9	SW - 14 - 0-2'	Soluble	Solid	300.0	111454
890-8266-10	SW - 15 - 0-2'	Soluble	Solid	300.0	111454
MB 880-111454/1-A	Method Blank	Soluble	Solid	300.0	111454
LCS 880-111454/2-A	Lab Control Sample	Soluble	Solid	300.0	111454
LCSD 880-111454/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111454
890-8266-1 MS	B - 13 - 2'	Soluble	Solid	300.0	111454
890-8266-1 MSD	B - 13 - 2'	Soluble	Solid	300.0	111454

Leach Batch: 111554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8268-1	BACKFILL	Soluble	Solid	DI Leach	
MB 880-111554/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111554/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111554/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 111557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8268-1	BACKFILL	Soluble	Solid	300.0	111554
MB 880-111554/1-A	Method Blank	Soluble	Solid	300.0	111554
LCS 880-111554/2-A	Lab Control Sample	Soluble	Solid	300.0	111554
LCSD 880-111554/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111554

Leach Batch: 112255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-28	SW - 20 - 0-2'	Soluble	Solid	DI Leach	
MB 880-112255/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112255/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112255/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 112256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-1	B - 35 - 2'	Soluble	Solid	DI Leach	
890-8292-2	B - 36 - 2'	Soluble	Solid	DI Leach	
890-8292-3	B - 37 - 2'	Soluble	Solid	DI Leach	
890-8292-4	B - 38 - 2'	Soluble	Solid	DI Leach	
890-8292-5	B - 39 - 2'	Soluble	Solid	DI Leach	
890-8292-6	B - 40 - 2'	Soluble	Solid	DI Leach	
890-8292-7	B - 41 - 2'	Soluble	Solid	DI Leach	
890-8292-8	B - 42 - 2'	Soluble	Solid	DI Leach	
890-8292-9	B - 43 - 2'	Soluble	Solid	DI Leach	
890-8292-10	B - 44 - 2'	Soluble	Solid	DI Leach	
890-8292-11	B - 45 - 2'	Soluble	Solid	DI Leach	
890-8292-12	B - 46 - 2'	Soluble	Solid	DI Leach	
890-8292-13	SW - 16 - 0-2'	Soluble	Solid	DI Leach	
890-8292-14	SW - 17 - 0-2'	Soluble	Solid	DI Leach	
890-8292-15	B - 47 - 2'	Soluble	Solid	DI Leach	
890-8292-16	B - 48 - 2'	Soluble	Solid	DI Leach	
890-8292-17	B - 49 - 2'	Soluble	Solid	DI Leach	
890-8292-18	B - 50 - 2'	Soluble	Solid	DI Leach	
890-8292-19	B - 51 - 2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Leach Batch: 112256 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-20	B - 52 - 2'	Soluble	Solid	DI Leach	
MB 880-112256/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112256/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112256/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8292-1 MS	B - 35 - 2'	Soluble	Solid	DI Leach	
890-8292-1 MSD	B - 35 - 2'	Soluble	Solid	DI Leach	
890-8292-11 MS	B - 45 - 2'	Soluble	Solid	DI Leach	
890-8292-11 MSD	B - 45 - 2'	Soluble	Solid	DI Leach	

Leach Batch: 112257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-21	B - 53 - 2'	Soluble	Solid	DI Leach	
890-8292-22	B - 54 - 2'	Soluble	Solid	DI Leach	
890-8292-23	B - 55 - 2'	Soluble	Solid	DI Leach	
890-8292-24	B - 56 - 2'	Soluble	Solid	DI Leach	
890-8292-25	B - 57 - 2'	Soluble	Solid	DI Leach	
890-8292-26	SW - 18 - 0-2'	Soluble	Solid	DI Leach	
890-8292-27	SW - 19 - 0-2'	Soluble	Solid	DI Leach	
MB 880-112257/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112257/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112257/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8292-21 MS	B - 53 - 2'	Soluble	Solid	DI Leach	
890-8292-21 MSD	B - 53 - 2'	Soluble	Solid	DI Leach	

Analysis Batch: 112266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-28	SW - 20 - 0-2'	Soluble	Solid	300.0	112255
MB 880-112255/1-A	Method Blank	Soluble	Solid	300.0	112255
LCS 880-112255/2-A	Lab Control Sample	Soluble	Solid	300.0	112255
LCSD 880-112255/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112255

Analysis Batch: 112267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-1	B - 35 - 2'	Soluble	Solid	300.0	112256
890-8292-2	B - 36 - 2'	Soluble	Solid	300.0	112256
890-8292-3	B - 37 - 2'	Soluble	Solid	300.0	112256
890-8292-4	B - 38 - 2'	Soluble	Solid	300.0	112256
890-8292-5	B - 39 - 2'	Soluble	Solid	300.0	112256
890-8292-6	B - 40 - 2'	Soluble	Solid	300.0	112256
890-8292-7	B - 41 - 2'	Soluble	Solid	300.0	112256
890-8292-8	B - 42 - 2'	Soluble	Solid	300.0	112256
890-8292-9	B - 43 - 2'	Soluble	Solid	300.0	112256
890-8292-10	B - 44 - 2'	Soluble	Solid	300.0	112256
890-8292-11	B - 45 - 2'	Soluble	Solid	300.0	112256
890-8292-12	B - 46 - 2'	Soluble	Solid	300.0	112256
890-8292-13	SW - 16 - 0-2'	Soluble	Solid	300.0	112256
890-8292-14	SW - 17 - 0-2'	Soluble	Solid	300.0	112256
890-8292-15	B - 47 - 2'	Soluble	Solid	300.0	112256
890-8292-16	B - 48 - 2'	Soluble	Solid	300.0	112256
890-8292-17	B - 49 - 2'	Soluble	Solid	300.0	112256
890-8292-18	B - 50 - 2'	Soluble	Solid	300.0	112256

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Analysis Batch: 112267 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-19	B - 51 - 2'	Soluble	Solid	300.0	112256
890-8292-20	B - 52 - 2'	Soluble	Solid	300.0	112256
MB 880-112256/1-A	Method Blank	Soluble	Solid	300.0	112256
LCS 880-112256/2-A	Lab Control Sample	Soluble	Solid	300.0	112256
LCSD 880-112256/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112256
890-8292-1 MS	B - 35 - 2'	Soluble	Solid	300.0	112256
890-8292-1 MSD	B - 35 - 2'	Soluble	Solid	300.0	112256
890-8292-11 MS	B - 45 - 2'	Soluble	Solid	300.0	112256
890-8292-11 MSD	B - 45 - 2'	Soluble	Solid	300.0	112256

Analysis Batch: 112278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8292-21	B - 53 - 2'	Soluble	Solid	300.0	112257
890-8292-22	B - 54 - 2'	Soluble	Solid	300.0	112257
890-8292-23	B - 55 - 2'	Soluble	Solid	300.0	112257
890-8292-24	B - 56 - 2'	Soluble	Solid	300.0	112257
890-8292-25	B - 57 - 2'	Soluble	Solid	300.0	112257
890-8292-26	SW - 18 - 0-2'	Soluble	Solid	300.0	112257
890-8292-27	SW - 19 - 0-2'	Soluble	Solid	300.0	112257
MB 880-112257/1-A	Method Blank	Soluble	Solid	300.0	112257
LCS 880-112257/2-A	Lab Control Sample	Soluble	Solid	300.0	112257
LCSD 880-112257/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112257
890-8292-21 MS	B - 53 - 2'	Soluble	Solid	300.0	112257
890-8292-21 MSD	B - 53 - 2'	Soluble	Solid	300.0	112257

Leach Batch: 112650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Soluble	Solid	DI Leach	
880-59525-2	SW-15-0-2'	Soluble	Solid	DI Leach	
880-59525-3	B-59-2'	Soluble	Solid	DI Leach	
880-59525-4	B-60-2'	Soluble	Solid	DI Leach	
880-59525-5	B-61-2'	Soluble	Solid	DI Leach	
880-59525-6	B-62-2'	Soluble	Solid	DI Leach	
880-59525-7	SW-21--0-2'	Soluble	Solid	DI Leach	
880-59525-8	B-45-2.5'	Soluble	Solid	DI Leach	
880-59525-9	B-44-2.5'	Soluble	Solid	DI Leach	
MB 880-112650/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112650/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112650/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59525-1 MS	B-58-2'	Soluble	Solid	DI Leach	
880-59525-1 MSD	B-58-2'	Soluble	Solid	DI Leach	

Analysis Batch: 112653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-1	B-58-2'	Soluble	Solid	300.0	112650
880-59525-2	SW-15-0-2'	Soluble	Solid	300.0	112650
880-59525-3	B-59-2'	Soluble	Solid	300.0	112650
880-59525-4	B-60-2'	Soluble	Solid	300.0	112650
880-59525-5	B-61-2'	Soluble	Solid	300.0	112650
880-59525-6	B-62-2'	Soluble	Solid	300.0	112650
880-59525-7	SW-21--0-2'	Soluble	Solid	300.0	112650

QC Association Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

HPLC/IC (Continued)

Analysis Batch: 112653 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59525-8	B-45-2.5'	Soluble	Solid	300.0	112650
880-59525-9	B-44-2.5'	Soluble	Solid	300.0	112650
MB 880-112650/1-A	Method Blank	Soluble	Solid	300.0	112650
LCS 880-112650/2-A	Lab Control Sample	Soluble	Solid	300.0	112650
LCSD 880-112650/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112650
880-59525-1 MS	B-58-2'	Soluble	Solid	300.0	112650
880-59525-1 MSD	B-58-2'	Soluble	Solid	300.0	112650

Leach Batch: 112833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Soluble	Solid	DI Leach	
890-8341-2	B-63-2	Soluble	Solid	DI Leach	
890-8341-3	B-64-2	Soluble	Solid	DI Leach	
890-8341-4	B-65-2	Soluble	Solid	DI Leach	
890-8341-5	B-66-2	Soluble	Solid	DI Leach	
890-8341-6	B-67-2	Soluble	Solid	DI Leach	
890-8341-7	B-68-2	Soluble	Solid	DI Leach	
890-8341-8	B-69-2	Soluble	Solid	DI Leach	
890-8341-9	B-70-2	Soluble	Solid	DI Leach	
890-8341-10	B-71-2	Soluble	Solid	DI Leach	
890-8341-11	B-72-2	Soluble	Solid	DI Leach	
890-8341-12	B-73-2	Soluble	Solid	DI Leach	
890-8341-13	B-74-2	Soluble	Solid	DI Leach	
890-8341-14	SW-23-0-2	Soluble	Solid	DI Leach	
MB 880-112833/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112833/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112833/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8341-1 MS	SW-22-0-2	Soluble	Solid	DI Leach	
890-8341-1 MSD	SW-22-0-2	Soluble	Solid	DI Leach	
890-8341-11 MS	B-72-2	Soluble	Solid	DI Leach	
890-8341-11 MSD	B-72-2	Soluble	Solid	DI Leach	

Analysis Batch: 112855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1	SW-22-0-2	Soluble	Solid	300.0	112833
890-8341-2	B-63-2	Soluble	Solid	300.0	112833
890-8341-3	B-64-2	Soluble	Solid	300.0	112833
890-8341-4	B-65-2	Soluble	Solid	300.0	112833
890-8341-5	B-66-2	Soluble	Solid	300.0	112833
890-8341-6	B-67-2	Soluble	Solid	300.0	112833
890-8341-7	B-68-2	Soluble	Solid	300.0	112833
890-8341-8	B-69-2	Soluble	Solid	300.0	112833
890-8341-9	B-70-2	Soluble	Solid	300.0	112833
890-8341-10	B-71-2	Soluble	Solid	300.0	112833
890-8341-11	B-72-2	Soluble	Solid	300.0	112833
890-8341-12	B-73-2	Soluble	Solid	300.0	112833
890-8341-13	B-74-2	Soluble	Solid	300.0	112833
890-8341-14	SW-23-0-2	Soluble	Solid	300.0	112833
MB 880-112833/1-A	Method Blank	Soluble	Solid	300.0	112833
LCS 880-112833/2-A	Lab Control Sample	Soluble	Solid	300.0	112833
LCSD 880-112833/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112833

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Analysis Batch: 112855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8341-1 MS	SW-22-0-2	Soluble	Solid	300.0	112833
890-8341-1 MSD	SW-22-0-2	Soluble	Solid	300.0	112833
890-8341-11 MS	B-72-2	Soluble	Solid	300.0	112833
890-8341-11 MSD	B-72-2	Soluble	Solid	300.0	112833

Leach Batch: 113537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Soluble	Solid	DI Leach	
880-59967-2	SW-24-0-2'	Soluble	Solid	DI Leach	
880-59967-3	SW-25-0-2'	Soluble	Solid	DI Leach	
880-59967-4	SW-27-0-2'	Soluble	Solid	DI Leach	
880-59967-5	B-75-0-2'	Soluble	Solid	DI Leach	
880-59967-6	B-76-0-2'	Soluble	Solid	DI Leach	
880-59967-7	B-77-0-2'	Soluble	Solid	DI Leach	
880-59967-8	B-78-0-2'	Soluble	Solid	DI Leach	
880-59967-9	SW-28-0-4'	Soluble	Solid	DI Leach	
880-59967-10	SW-29-0-4'	Soluble	Solid	DI Leach	
880-59967-11	B-80-4'	Soluble	Solid	DI Leach	
880-59967-12	B-81-4'	Soluble	Solid	DI Leach	
880-59967-13	B-79-2'	Soluble	Solid	DI Leach	
MB 880-113537/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113537/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113537/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59967-4 MS	SW-27-0-2'	Soluble	Solid	DI Leach	
880-59967-4 MSD	SW-27-0-2'	Soluble	Solid	DI Leach	

Analysis Batch: 113561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59967-1	SW-26-0-2'	Soluble	Solid	300.0	113537
880-59967-2	SW-24-0-2'	Soluble	Solid	300.0	113537
880-59967-3	SW-25-0-2'	Soluble	Solid	300.0	113537
880-59967-4	SW-27-0-2'	Soluble	Solid	300.0	113537
880-59967-5	B-75-0-2'	Soluble	Solid	300.0	113537
880-59967-6	B-76-0-2'	Soluble	Solid	300.0	113537
880-59967-7	B-77-0-2'	Soluble	Solid	300.0	113537
880-59967-8	B-78-0-2'	Soluble	Solid	300.0	113537
880-59967-9	SW-28-0-4'	Soluble	Solid	300.0	113537
880-59967-10	SW-29-0-4'	Soluble	Solid	300.0	113537
880-59967-11	B-80-4'	Soluble	Solid	300.0	113537
880-59967-12	B-81-4'	Soluble	Solid	300.0	113537
880-59967-13	B-79-2'	Soluble	Solid	300.0	113537
MB 880-113537/1-A	Method Blank	Soluble	Solid	300.0	113537
LCS 880-113537/2-A	Lab Control Sample	Soluble	Solid	300.0	113537
LCSD 880-113537/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113537
880-59967-4 MS	SW-27-0-2'	Soluble	Solid	300.0	113537
880-59967-4 MSD	SW-27-0-2'	Soluble	Solid	300.0	113537

Leach Batch: 113940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-1	SW - 30 - 0-2'	Soluble	Solid	DI Leach	
890-8428-2	B - 82 - 2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Leach Batch: 113940 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-3	B - 83 - 2'	Soluble	Solid	DI Leach	
890-8428-4	B - 84 - 2'	Soluble	Solid	DI Leach	
890-8428-5	B - 85 - 2'	Soluble	Solid	DI Leach	
890-8428-6	B - 86 - 2'	Soluble	Solid	DI Leach	
890-8428-7	B - 87 - 2'	Soluble	Solid	DI Leach	
890-8428-8	B - 88 - 2'	Soluble	Solid	DI Leach	
890-8428-9	B - 89 - 2'	Soluble	Solid	DI Leach	
890-8428-10	B - 90 - 2'	Soluble	Solid	DI Leach	
MB 880-113940/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113940/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113940/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8428-1 MS	SW - 30 - 0-2'	Soluble	Solid	DI Leach	
890-8428-1 MSD	SW - 30 - 0-2'	Soluble	Solid	DI Leach	

Analysis Batch: 113954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8428-1	SW - 30 - 0-2'	Soluble	Solid	300.0	113940
890-8428-2	B - 82 - 2'	Soluble	Solid	300.0	113940
890-8428-3	B - 83 - 2'	Soluble	Solid	300.0	113940
890-8428-4	B - 84 - 2'	Soluble	Solid	300.0	113940
890-8428-5	B - 85 - 2'	Soluble	Solid	300.0	113940
890-8428-6	B - 86 - 2'	Soluble	Solid	300.0	113940
890-8428-7	B - 87 - 2'	Soluble	Solid	300.0	113940
890-8428-8	B - 88 - 2'	Soluble	Solid	300.0	113940
890-8428-9	B - 89 - 2'	Soluble	Solid	300.0	113940
890-8428-10	B - 90 - 2'	Soluble	Solid	300.0	113940
MB 880-113940/1-A	Method Blank	Soluble	Solid	300.0	113940
LCS 880-113940/2-A	Lab Control Sample	Soluble	Solid	300.0	113940
LCSD 880-113940/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113940
890-8428-1 MS	SW - 30 - 0-2'	Soluble	Solid	300.0	113940
890-8428-1 MSD	SW - 30 - 0-2'	Soluble	Solid	300.0	113940

Leach Batch: 114075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Soluble	Solid	DI Leach	
890-8448-2	B-92-2	Soluble	Solid	DI Leach	
890-8448-3	B-93-2	Soluble	Solid	DI Leach	
890-8448-4	B-94-2	Soluble	Solid	DI Leach	
890-8448-5	B-95-2	Soluble	Solid	DI Leach	
890-8448-6	B-96-2	Soluble	Solid	DI Leach	
890-8448-7	B-99-2	Soluble	Solid	DI Leach	
890-8448-8	B-100-2	Soluble	Solid	DI Leach	
890-8448-9	B-101-2	Soluble	Solid	DI Leach	
890-8448-10	B-102-2	Soluble	Solid	DI Leach	
890-8448-11	B-104-2	Soluble	Solid	DI Leach	
890-8448-12	SW-31-0-2	Soluble	Solid	DI Leach	
890-8448-13	SW-32-0-2	Soluble	Solid	DI Leach	
890-8448-14	SW-33-0-2	Soluble	Solid	DI Leach	
890-8448-15	SW-34-0-2	Soluble	Solid	DI Leach	
890-8448-16	SW-35-0-4	Soluble	Solid	DI Leach	
MB 880-114075/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Leach Batch: 114075 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-114075/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114075/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8448-7 MS	B-99-2	Soluble	Solid	DI Leach	
890-8448-7 MSD	B-99-2	Soluble	Solid	DI Leach	

Analysis Batch: 114092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8448-1	B-91-2	Soluble	Solid	300.0	114075
890-8448-2	B-92-2	Soluble	Solid	300.0	114075
890-8448-3	B-93-2	Soluble	Solid	300.0	114075
890-8448-4	B-94-2	Soluble	Solid	300.0	114075
890-8448-5	B-95-2	Soluble	Solid	300.0	114075
890-8448-6	B-96-2	Soluble	Solid	300.0	114075
890-8448-7	B-99-2	Soluble	Solid	300.0	114075
890-8448-8	B-100-2	Soluble	Solid	300.0	114075
890-8448-9	B-101-2	Soluble	Solid	300.0	114075
890-8448-10	B-102-2	Soluble	Solid	300.0	114075
890-8448-11	B-104-2	Soluble	Solid	300.0	114075
890-8448-12	SW-31-0-2	Soluble	Solid	300.0	114075
890-8448-13	SW-32-0-2	Soluble	Solid	300.0	114075
890-8448-14	SW-33-0-2	Soluble	Solid	300.0	114075
890-8448-15	SW-34-0-2	Soluble	Solid	300.0	114075
890-8448-16	SW-35-0-4	Soluble	Solid	300.0	114075
MB 880-114075/1-A	Method Blank	Soluble	Solid	300.0	114075
LCS 880-114075/2-A	Lab Control Sample	Soluble	Solid	300.0	114075
LCSD 880-114075/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114075
890-8448-7 MS	B-99-2	Soluble	Solid	300.0	114075
890-8448-7 MSD	B-99-2	Soluble	Solid	300.0	114075

Leach Batch: 114240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Soluble	Solid	DI Leach	
890-8450-2	B - 98 - 2'	Soluble	Solid	DI Leach	
MB 880-114240/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114240/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114240/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 114241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-3	B - 105 - 2'	Soluble	Solid	DI Leach	
890-8450-4	B - 106 - 2'	Soluble	Solid	DI Leach	
890-8450-5	B - 107 - 2'	Soluble	Solid	DI Leach	
890-8450-6	B - 108 - 2'	Soluble	Solid	DI Leach	
890-8450-7	B - 109 - 2'	Soluble	Solid	DI Leach	
890-8450-8	B - 110 - 2'	Soluble	Solid	DI Leach	
890-8450-9	B - 111 - 2'	Soluble	Solid	DI Leach	
890-8450-10	B - 112 - 2'	Soluble	Solid	DI Leach	
890-8450-11	B - 113 - 2'	Soluble	Solid	DI Leach	
890-8450-12	B - 114 - 2'	Soluble	Solid	DI Leach	
890-8450-13	B - 115 - 2'	Soluble	Solid	DI Leach	
890-8450-14	B - 116 - 2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

HPLC/IC (Continued)

Leach Batch: 114241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-15	B - 117 - 2'	Soluble	Solid	DI Leach	
890-8450-16	B - 103 - 2'	Soluble	Solid	DI Leach	
MB 880-114241/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114241/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114241/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8450-3 MS	B - 105 - 2'	Soluble	Solid	DI Leach	
890-8450-3 MSD	B - 105 - 2'	Soluble	Solid	DI Leach	
890-8450-13 MS	B - 115 - 2'	Soluble	Solid	DI Leach	
890-8450-13 MSD	B - 115 - 2'	Soluble	Solid	DI Leach	

Analysis Batch: 114252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-1	B - 97 - 2'	Soluble	Solid	300.0	114240
890-8450-2	B - 98 - 2'	Soluble	Solid	300.0	114240
MB 880-114240/1-A	Method Blank	Soluble	Solid	300.0	114240
LCS 880-114240/2-A	Lab Control Sample	Soluble	Solid	300.0	114240
LCSD 880-114240/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114240

Analysis Batch: 114253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8450-3	B - 105 - 2'	Soluble	Solid	300.0	114241
890-8450-4	B - 106 - 2'	Soluble	Solid	300.0	114241
890-8450-5	B - 107 - 2'	Soluble	Solid	300.0	114241
890-8450-6	B - 108 - 2'	Soluble	Solid	300.0	114241
890-8450-7	B - 109 - 2'	Soluble	Solid	300.0	114241
890-8450-8	B - 110 - 2'	Soluble	Solid	300.0	114241
890-8450-9	B - 111 - 2'	Soluble	Solid	300.0	114241
890-8450-10	B - 112 - 2'	Soluble	Solid	300.0	114241
890-8450-11	B - 113 - 2'	Soluble	Solid	300.0	114241
890-8450-12	B - 114 - 2'	Soluble	Solid	300.0	114241
890-8450-13	B - 115 - 2'	Soluble	Solid	300.0	114241
890-8450-14	B - 116 - 2'	Soluble	Solid	300.0	114241
890-8450-15	B - 117 - 2'	Soluble	Solid	300.0	114241
890-8450-16	B - 103 - 2'	Soluble	Solid	300.0	114241
MB 880-114241/1-A	Method Blank	Soluble	Solid	300.0	114241
LCS 880-114241/2-A	Lab Control Sample	Soluble	Solid	300.0	114241
LCSD 880-114241/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114241
890-8450-3 MS	B - 105 - 2'	Soluble	Solid	300.0	114241
890-8450-3 MSD	B - 105 - 2'	Soluble	Solid	300.0	114241
890-8450-13 MS	B - 115 - 2'	Soluble	Solid	300.0	114241
890-8450-13 MSD	B - 115 - 2'	Soluble	Solid	300.0	114241

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-58-2'
Date Collected: 06/19/25 10:00
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-1
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			5.05 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 11:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 11:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 12:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 12:57	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 11:22	CH	EET MID

Client Sample ID: SW-15-0-2'
Date Collected: 06/19/25 10:30
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-2
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	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 12:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 13:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 13:46	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 11:49	CH	EET MID

Client Sample ID: B-59-2'
Date Collected: 06/19/25 11:10
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-3
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			5.01 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 12:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 14:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 14:02	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 11:57	CH	EET MID

Client Sample ID: B-60-2'
Date Collected: 06/19/25 11:25
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-4
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			5.05 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 13:24	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-60-2'
Date Collected: 06/19/25 11:25
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-4
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			112710	06/20/25 14:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 14:18	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 12:04	CH	EET MID

Client Sample ID: B-61-2'
Date Collected: 06/19/25 11:35
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-5
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	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 13:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 13:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 14:34	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 14:34	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 12:11	CH	EET MID

Client Sample ID: B-62-2'
Date Collected: 06/19/25 11:45
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-6
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	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 14:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 14:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 14:51	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 12:32	CH	EET MID

Client Sample ID: SW-21--0-2'
Date Collected: 06/19/25 12:00
Date Received: 06/19/25 17:04

Lab Sample ID: 880-59525-7
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			5.05 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 12:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 15:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 15:07	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW-21--0-2' Lab Sample ID: 880-59525-7
Date Collected: 06/19/25 12:00 **Matrix: Solid**
Date Received: 06/19/25 17:04

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	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 12:40	CH	EET MID

Client Sample ID: B-45-2.5' Lab Sample ID: 880-59525-8
Date Collected: 06/19/25 12:30 **Matrix: Solid**
Date Received: 06/19/25 17:04

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	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 12:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 15:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 15:24	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 12:47	CH	EET MID

Client Sample ID: B-44-2.5' Lab Sample ID: 880-59525-9
Date Collected: 06/19/25 12:40 **Matrix: Solid**
Date Received: 06/19/25 17:04

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	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112697	06/20/25 12:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			112710	06/20/25 15:40	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 15:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112650	06/20/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112653	06/20/25 12:54	CH	EET MID

Client Sample ID: SW-26-0-2' Lab Sample ID: 880-59967-1
Date Collected: 06/30/25 11:20 **Matrix: Solid**
Date Received: 07/02/25 09:37

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	113513	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113510	07/02/25 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 17:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 18:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 18:48	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 16:44	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-24-0-2'
Date Collected: 07/01/25 14:00
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-2
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			5.05 g	5 mL	113513	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113510	07/02/25 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 18:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 19:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 19:37	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 16:50	SMC	EET MID

Client Sample ID: SW-25-0-2'
Date Collected: 07/01/25 14:10
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-3
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			5.03 g	5 mL	113513	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113510	07/02/25 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 18:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 19:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 19:53	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 16:56	SMC	EET MID

Client Sample ID: SW-27-0-2'
Date Collected: 07/01/25 14:20
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-4
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			5.00 g	5 mL	113513	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113510	07/02/25 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 18:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 20:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 20:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 17:01	SMC	EET MID

Client Sample ID: B-75-0-2'
Date Collected: 07/01/25 12:00
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-5
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			4.99 g	5 mL	113513	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113510	07/02/25 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 19:11	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-75-0-2' Lab Sample ID: 880-59967-5
Date Collected: 07/01/25 12:00 **Matrix: Solid**
Date Received: 07/02/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113598	07/02/25 20:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 20:25	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 17:18	SMC	EET MID

Client Sample ID: B-76-0-2' Lab Sample ID: 880-59967-6
Date Collected: 07/01/25 12:10 **Matrix: Solid**
Date Received: 07/02/25 09:37

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	113516	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113511	07/02/25 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 18:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 20:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 20:42	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 17:24	SMC	EET MID

Client Sample ID: B-77-0-2' Lab Sample ID: 880-59967-7
Date Collected: 07/01/25 12:20 **Matrix: Solid**
Date Received: 07/02/25 09:37

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	113516	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113511	07/02/25 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 18:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 20:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 20:57	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 17:41	SMC	EET MID

Client Sample ID: B-78-0-2' Lab Sample ID: 880-59967-8
Date Collected: 07/01/25 12:30 **Matrix: Solid**
Date Received: 07/02/25 09:37

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	113516	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113511	07/02/25 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 19:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 21:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 21:14	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-78-0-2'
Date Collected: 07/01/25 12:30
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-8
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			5.01 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 17:47	SMC	EET MID

Client Sample ID: SW-28-0-4'
Date Collected: 07/01/25 12:40
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-9
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	113516	07/02/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113511	07/02/25 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 19:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 21:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 21:29	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 17:52	SMC	EET MID

Client Sample ID: SW-29-0-4'
Date Collected: 07/01/25 12:50
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-10
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			5.00 g	5 mL	113533	07/02/25 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113512	07/02/25 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 14:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 21:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 21:45	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 17:58	SMC	EET MID

Client Sample ID: B-80-4'
Date Collected: 07/01/25 13:00
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-11
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			5.01 g	5 mL	113533	07/02/25 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113512	07/02/25 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 14:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 22:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 22:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 18:04	SMC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-81-4'
Date Collected: 07/01/25 13:10
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-12
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			4.99 g	5 mL	113533	07/02/25 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113512	07/02/25 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 14:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 22:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 22:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 18:09	SMC	EET MID

Client Sample ID: B-79-2'
Date Collected: 07/01/25 13:20
Date Received: 07/02/25 09:37

Lab Sample ID: 880-59967-13
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			5.02 g	5 mL	113533	07/02/25 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113512	07/02/25 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113573	07/02/25 15:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			113598	07/02/25 22:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113536	07/02/25 10:14	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113537	07/02/25 12:24	SI	EET MID
Soluble	Analysis	300.0		1			113561	07/02/25 18:15	SMC	EET MID

Client Sample ID: SW-1-0-4
Date Collected: 05/29/25 13:00
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-1
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			5.01 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 11:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 20:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	111268	05/30/25 15:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111334	06/02/25 20:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 11:00	CH	EET MID

Client Sample ID: SW-2-0-4
Date Collected: 05/29/25 13:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-2
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			4.98 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 11:48	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-2-0-4
Date Collected: 05/29/25 13:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111416	06/02/25 20:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111268	05/30/25 15:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111334	06/02/25 20:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 11:22	CH	EET MID

Client Sample ID: SW-3-0-4
Date Collected: 05/29/25 13:20
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-3
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			4.95 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 12:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 20:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111268	05/30/25 15:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111334	06/02/25 20:39	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 11:29	CH	EET MID

Client Sample ID: SW-4-0-4
Date Collected: 05/29/25 13:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-4
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	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 12:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 20:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111268	05/30/25 15:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111334	06/02/25 20:55	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 11:37	CH	EET MID

Client Sample ID: SW-5-0-4
Date Collected: 05/29/25 13:40
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-5
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			5.04 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 12:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 21:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	111268	05/30/25 15:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111334	06/02/25 21:11	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-5-0-4
Date Collected: 05/29/25 13:40
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 11:44	CH	EET MID

Client Sample ID: SW-6-0-4
Date Collected: 05/29/25 13:50
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-6
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			5.05 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 13:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 21:27	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	111268	05/30/25 15:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111334	06/02/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 13:09	CH	EET MID

Client Sample ID: B-2-4
Date Collected: 05/29/25 14:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-7
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			5.03 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 13:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 19:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111118	05/29/25 11:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/02/25 19:51	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 13:17	CH	EET MID

Client Sample ID: B-3-4
Date Collected: 05/29/25 14:20
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-8
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	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 13:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 22:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111328	06/02/25 11:00	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111418	06/03/25 22:20	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 13:24	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-4-4
Date Collected: 05/29/25 14:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-9
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			5.05 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 14:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 20:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111118	05/29/25 11:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/02/25 20:22	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 13:31	CH	EET MID

Client Sample ID: B-5-4
Date Collected: 05/29/25 14:40
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 14:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 22:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111328	06/02/25 11:00	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111418	06/03/25 22:36	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 13:39	CH	EET MID

Client Sample ID: B-6-4
Date Collected: 05/29/25 14:50
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	111282	06/02/25 08:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111279	06/02/25 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 15:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 20:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111118	05/29/25 11:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/02/25 20:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 13:46	CH	EET MID

Client Sample ID: B-8-4
Date Collected: 05/29/25 15:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-12
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			5.01 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 11:37	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-8-4
Date Collected: 05/29/25 15:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111416	06/02/25 21:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111118	05/29/25 11:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/02/25 21:11	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 14:08	CH	EET MID

Client Sample ID: B-12-4
Date Collected: 05/29/25 15:50
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 11:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 21:27	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111118	05/29/25 11:26	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/02/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 14:15	CH	EET MID

Client Sample ID: B-18-4
Date Collected: 05/30/25 08:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 12:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/02/25 23:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/02/25 23:36	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 14:37	CH	EET MID

Client Sample ID: B-19-4
Date Collected: 05/30/25 08:40
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-15
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			5.05 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 12:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 00:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/03/25 00:26	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: B-19-4 Lab Sample ID: 890-8256-15
Date Collected: 05/30/25 08:40 **Matrix: Solid**
Date Received: 05/30/25 16:13

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	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 14:44	CH	EET MID

Client Sample ID: B-20-4 Lab Sample ID: 890-8256-16
Date Collected: 05/30/25 08:50 **Matrix: Solid**
Date Received: 05/30/25 16:13

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	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 13:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 13:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 00:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/03/25 00:41	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 14:52	CH	EET MID

Client Sample ID: B-21-4 Lab Sample ID: 890-8256-17
Date Collected: 05/30/25 09:00 **Matrix: Solid**
Date Received: 05/30/25 16:13

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	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 13:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 13:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 00:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/03/25 00:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 14:59	CH	EET MID

Client Sample ID: B-22-4 Lab Sample ID: 890-8256-18
Date Collected: 05/30/25 09:10 **Matrix: Solid**
Date Received: 05/30/25 16:13

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	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 13:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 13:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 01:13	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/03/25 01:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 15:06	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-23-4
Date Collected: 05/30/25 09:20
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 14:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 22:51	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	111328	06/02/25 11:00	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111418	06/03/25 22:51	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 15:13	CH	EET MID

Client Sample ID: SW-7-0-2
Date Collected: 05/30/25 13:00
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-20
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			5.03 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 14:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 01:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/03/25 01:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111278	06/02/25 08:04	SA	EET MID
Soluble	Analysis	300.0		1			111286	06/02/25 15:21	CH	EET MID

Client Sample ID: SW-9-0-2
Date Collected: 05/30/25 13:10
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 14:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			111416	06/03/25 02:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/03/25 02:02	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111290	06/02/25 09:48	SA	EET MID
Soluble	Analysis	300.0		1			111336	06/02/25 15:22	CH	EET MID

Client Sample ID: SW-11-0-2
Date Collected: 05/30/25 13:30
Date Received: 05/30/25 16:13

Lab Sample ID: 890-8256-22
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			5.01 g	5 mL	111261	06/02/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111280	06/02/25 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111350	06/02/25 16:17	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-11-0-2

Lab Sample ID: 890-8256-22
Matrix: Solid
Date Collected: 05/30/25 13:30
Date Received: 05/30/25 16:13

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			111416	06/03/25 02:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	111283	06/02/25 08:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111332	06/03/25 02:18	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111290	06/02/25 09:48	SA	EET MID
Soluble	Analysis	300.0		1			111336	06/02/25 15:29	CH	EET MID

Client Sample ID: SW - 10 - 0 - 2'

Lab Sample ID: 890-8260-1
Matrix: Solid
Date Collected: 06/02/25 09:00
Date Received: 06/02/25 16:48

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	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 12:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 13:38	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 13:38	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 09:20	CH	EET MID

Client Sample ID: B - 17 - 2'

Lab Sample ID: 890-8260-2
Matrix: Solid
Date Collected: 06/02/25 09:10
Date Received: 06/02/25 16:48

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	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 13:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 13:53	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 09:41	CH	EET MID

Client Sample ID: B - 1 - 4'

Lab Sample ID: 890-8260-3
Matrix: Solid
Date Collected: 06/02/25 10:00
Date Received: 06/02/25 16:48

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	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 13:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 14:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 14:08	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 1 - 4'
Date Collected: 06/02/25 10:00
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-3
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	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 09:48	CH	EET MID

Client Sample ID: B - 7 - 4'
Date Collected: 06/02/25 10:10
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-4
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			5.03 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 13:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 14:23	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 14:23	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 09:55	CH	EET MID

Client Sample ID: B - 9 - 4'
Date Collected: 06/02/25 10:20
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-5
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			5.05 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 13:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 14:39	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 14:39	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 10:03	CH	EET MID

Client Sample ID: B - 10 - 4'
Date Collected: 06/02/25 10:30
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-6
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	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 14:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 14:54	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 14:54	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 10:24	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 11 - 4'
Date Collected: 06/02/25 10:40
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-7
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			4.95 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 14:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 15:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 15:28	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 10:31	CH	EET MID

Client Sample ID: B - 24 - 2'
Date Collected: 06/02/25 10:50
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-8
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			4.96 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 14:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 15:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 15:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 10:38	CH	EET MID

Client Sample ID: B - 25 - 2'
Date Collected: 06/02/25 11:00
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-9
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			5.03 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 15:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 15:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 15:58	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 15:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 10:45	CH	EET MID

Client Sample ID: B - 26 - 2'
Date Collected: 06/02/25 11:10
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-10
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			5.04 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 15:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 15:39	AJ	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 26 - 2'
Date Collected: 06/02/25 11:10
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111539	06/04/25 16:12	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 16:12	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 10:52	CH	EET MID

Client Sample ID: B - 27 - 2'
Date Collected: 06/02/25 11:20
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-11
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			4.98 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 17:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 17:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111444	06/03/25 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111505	06/04/25 17:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 10:59	CH	EET MID

Client Sample ID: B - 28 - 2'
Date Collected: 06/02/25 11:30
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-12
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			4.95 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 18:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 17:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111444	06/03/25 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111505	06/04/25 17:54	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 11:20	CH	EET MID

Client Sample ID: B - 29 - 2'
Date Collected: 06/02/25 11:40
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-13
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			5.05 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 18:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 18:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111444	06/03/25 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111505	06/04/25 18:10	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 29 - 2'
Date Collected: 06/02/25 11:40
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-13
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			5.03 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 11:27	CH	EET MID

Client Sample ID: B - 30 - 2'
Date Collected: 06/02/25 11:50
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-14
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			5.03 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 18:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 18:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111444	06/03/25 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111505	06/04/25 18:26	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 11:51	CH	EET MID

Client Sample ID: SW - 8 - 0-2'
Date Collected: 06/02/25 12:00
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-15
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			5.04 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 19:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 18:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111444	06/03/25 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111505	06/04/25 18:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 11:58	CH	EET MID

Client Sample ID: SW - 12 - 0-2'
Date Collected: 06/02/25 12:10
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-16
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			5.00 g	5 mL	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 19:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 18:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111444	06/03/25 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111505	06/04/25 18:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 12:05	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW - 13 - 0-2'
Date Collected: 06/02/25 12:20
Date Received: 06/02/25 16:48

Lab Sample ID: 890-8260-17
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	111487	06/04/25 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111456	06/04/25 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111608	06/04/25 19:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111539	06/04/25 19:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	111444	06/03/25 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111505	06/04/25 19:14	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111363	06/03/25 08:47	SA	EET MID
Soluble	Analysis	300.0		1			111460	06/04/25 12:12	CH	EET MID

Client Sample ID: B - 13 - 2'
Date Collected: 06/03/25 12:00
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-1
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	111472	06/04/25 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111455	06/04/25 11:44	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 10:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 10:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 11:34	CH	EET MID

Client Sample ID: B - 14 - 2'
Date Collected: 06/03/25 12:10
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-2
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	111472	06/04/25 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111455	06/04/25 12:05	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 11:01	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 11:01	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 10:36	CH	EET MID

Client Sample ID: B - 15 - 2'
Date Collected: 06/03/25 12:20
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-3
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	111472	06/04/25 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111455	06/04/25 12:25	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 11:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 11:16	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 15 - 2'
Date Collected: 06/03/25 12:20
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-3
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			5.03 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 10:43	CH	EET MID

Client Sample ID: B - 16 - 2'
Date Collected: 06/03/25 12:30
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-4
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			5.01 g	5 mL	111472	06/04/25 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111455	06/04/25 12:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 11:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 11:30	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 10:50	CH	EET MID

Client Sample ID: B - 31 - 2'
Date Collected: 06/03/25 12:40
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-5
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			4.96 g	5 mL	111472	06/04/25 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111455	06/04/25 13:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 11:52	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 11:52	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 10:58	CH	EET MID

Client Sample ID: B - 32 - 2'
Date Collected: 06/03/25 12:50
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-6
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			5.02 g	5 mL	111474	06/04/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111458	06/04/25 11:48	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 12:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 12:06	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 11:20	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 33 - 2'
Date Collected: 06/03/25 13:00
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-7
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			4.98 g	5 mL	111474	06/04/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111458	06/04/25 12:09	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 12:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 12:22	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 11:27	CH	EET MID

Client Sample ID: B - 34 - 2'
Date Collected: 06/03/25 13:10
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-8
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			4.97 g	5 mL	111474	06/04/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111458	06/04/25 12:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 12:37	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 12:37	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 11:42	CH	EET MID

Client Sample ID: SW - 14 - 0-2'
Date Collected: 06/03/25 13:20
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-9
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			5.01 g	5 mL	111474	06/04/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111458	06/04/25 12:50	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 12:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 12:52	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 11:49	CH	EET MID

Client Sample ID: SW - 15 - 0-2'
Date Collected: 06/03/25 13:30
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-10
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			4.96 g	5 mL	111474	06/04/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111458	06/04/25 13:10	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111538	06/04/25 13:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111453	06/04/25 08:19	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111464	06/04/25 13:06	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW - 15 - 0-2'
Date Collected: 06/03/25 13:30
Date Received: 06/03/25 16:20

Lab Sample ID: 890-8266-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	111454	06/04/25 08:23	SA	EET MID
Soluble	Analysis	300.0		1			111461	06/04/25 11:56	CH	EET MID

Client Sample ID: BACKFILL
Date Collected: 06/04/25 09:30
Date Received: 06/04/25 14:46

Lab Sample ID: 890-8268-1
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			5.03 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 11:17	MNR	EET MID
Total/NA	Analysis	8015 NM		1			111618	06/05/25 10:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111501	06/04/25 12:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 10:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111554	06/05/25 08:31	SI	EET MID
Soluble	Analysis	300.0		1			111557	06/05/25 13:59	CH	EET MID

Client Sample ID: B - 35 - 2'
Date Collected: 06/12/25 13:10
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-1
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			4.99 g	5 mL	112268	06/16/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112272	06/16/25 11:50	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 13:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 13:31	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 19:45	CH	EET MID

Client Sample ID: B - 36 - 2'
Date Collected: 06/12/25 13:20
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-2
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	112268	06/16/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112272	06/16/25 12:10	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 14:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 14:17	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 20:06	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 37 - 2'
Date Collected: 06/12/25 13:30
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-3
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			5.02 g	5 mL	112268	06/16/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112272	06/16/25 12:31	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 14:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 14:33	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 20:14	CH	EET MID

Client Sample ID: B - 38 - 2'
Date Collected: 06/12/25 13:40
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-4
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			5.05 g	5 mL	112268	06/16/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112272	06/16/25 12:51	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 14:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 14:48	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 20:21	CH	EET MID

Client Sample ID: B - 39 - 2'
Date Collected: 06/12/25 13:50
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-5
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	112268	06/16/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112272	06/16/25 13:12	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 15:04	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 20:28	CH	EET MID

Client Sample ID: B - 40 - 2'
Date Collected: 06/12/25 14:00
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-6
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			4.95 g	5 mL	112268	06/16/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112272	06/16/25 13:32	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 15:20	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 40 - 2'
Date Collected: 06/12/25 14:00
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-6
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			5.01 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		5			112267	06/15/25 20:50	CH	EET MID

Client Sample ID: B - 41 - 2'
Date Collected: 06/12/25 14:10
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-7
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			4.96 g	5 mL	112268	06/16/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112272	06/16/25 13:53	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 15:35	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		5			112267	06/15/25 20:57	CH	EET MID

Client Sample ID: B - 42 - 2'
Date Collected: 06/12/25 14:20
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-8
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	112269	06/16/25 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112274	06/16/25 11:54	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:51	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 15:51	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		5			112267	06/15/25 21:04	CH	EET MID

Client Sample ID: B - 43 - 2'
Date Collected: 06/12/25 14:30
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-9
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			4.98 g	5 mL	112269	06/16/25 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112274	06/16/25 12:15	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 16:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		5			112267	06/15/25 21:11	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 44 - 2'

Lab Sample ID: 890-8292-10
Matrix: Solid
Date Collected: 06/12/25 14:40
Date Received: 06/13/25 14:46

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	112269	06/16/25 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112274	06/16/25 12:35	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 16:22	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		10			112267	06/15/25 21:18	CH	EET MID

Client Sample ID: B - 45 - 2'

Lab Sample ID: 890-8292-11
Matrix: Solid
Date Collected: 06/12/25 14:50
Date Received: 06/13/25 14:46

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	112269	06/16/25 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112274	06/16/25 12:56	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 16:38	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		5			112267	06/15/25 21:25	CH	EET MID

Client Sample ID: B - 46 - 2'

Lab Sample ID: 890-8292-12
Matrix: Solid
Date Collected: 06/12/25 15:00
Date Received: 06/13/25 14:46

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	112269	06/16/25 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112274	06/16/25 13:16	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 16:53	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 21:47	CH	EET MID

Client Sample ID: SW - 16 - 0-2'

Lab Sample ID: 890-8292-13
Matrix: Solid
Date Collected: 06/12/25 15:20
Date Received: 06/13/25 14:46

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	112269	06/16/25 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112274	06/16/25 13:37	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 17:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 17:08	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Client Sample ID: SW - 16 - 0-2' Lab Sample ID: 890-8292-13
Date Collected: 06/12/25 15:20 **Matrix: Solid**
Date Received: 06/13/25 14:46

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	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 21:54	CH	EET MID

Client Sample ID: SW - 17 - 0-2' Lab Sample ID: 890-8292-14
Date Collected: 06/12/25 15:30 **Matrix: Solid**
Date Received: 06/13/25 14:46

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	112269	06/16/25 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112274	06/16/25 13:57	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 17:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112264	06/16/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112301	06/16/25 17:24	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 22:16	CH	EET MID

Client Sample ID: B - 47 - 2' Lab Sample ID: 890-8292-15
Date Collected: 06/13/25 12:00 **Matrix: Solid**
Date Received: 06/13/25 14:46

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	112270	06/16/25 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112273	06/16/25 11:55	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 13:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 13:31	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 22:23	CH	EET MID

Client Sample ID: B - 48 - 2' Lab Sample ID: 890-8292-16
Date Collected: 06/13/25 12:10 **Matrix: Solid**
Date Received: 06/13/25 14:46

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	112270	06/16/25 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112273	06/16/25 12:15	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 14:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 14:17	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 22:30	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 49 - 2'
Date Collected: 06/13/25 12:20
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-17
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			5.02 g	5 mL	112270	06/16/25 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112273	06/16/25 12:35	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 14:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 14:33	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 22:37	CH	EET MID

Client Sample ID: B - 50 - 2'
Date Collected: 06/13/25 12:30
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-18
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			5.05 g	5 mL	112270	06/16/25 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112273	06/16/25 12:56	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 14:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 14:48	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 22:44	CH	EET MID

Client Sample ID: B - 51 - 2'
Date Collected: 06/13/25 12:40
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-19
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			5.03 g	5 mL	112270	06/16/25 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112273	06/16/25 13:16	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 15:04	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 22:52	CH	EET MID

Client Sample ID: B - 52 - 2'
Date Collected: 06/13/25 12:50
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-20
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			4.95 g	5 mL	112270	06/16/25 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112273	06/16/25 13:37	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 15:20	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 52 - 2'
Date Collected: 06/13/25 12:50
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-20
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	112256	06/14/25 14:23	SMC	EET MID
Soluble	Analysis	300.0		1			112267	06/15/25 22:59	CH	EET MID

Client Sample ID: B - 53 - 2'
Date Collected: 06/13/25 13:00
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-21
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			4.96 g	5 mL	112270	06/16/25 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112273	06/16/25 13:57	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 15:35	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112257	06/14/25 14:26	SMC	EET MID
Soluble	Analysis	300.0		1			112278	06/16/25 09:10	CH	EET MID

Client Sample ID: B - 54 - 2'
Date Collected: 06/13/25 13:10
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-22
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			4.99 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 12:02	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 15:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 15:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112257	06/14/25 14:26	SMC	EET MID
Soluble	Analysis	300.0		1			112278	06/16/25 09:32	CH	EET MID

Client Sample ID: B - 55 - 2'
Date Collected: 06/13/25 13:20
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-23
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	5030B			4.98 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 12:22	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 16:07	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112257	06/14/25 14:26	SMC	EET MID
Soluble	Analysis	300.0		1			112278	06/16/25 09:39	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 56 - 2'
Date Collected: 06/13/25 13:30
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-24
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	5030B			5.02 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 12:43	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 16:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112257	06/14/25 14:26	SMC	EET MID
Soluble	Analysis	300.0		1			112278	06/16/25 09:46	CH	EET MID

Client Sample ID: B - 57 - 2'
Date Collected: 06/13/25 13:40
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-25
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	5030B			5.05 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 13:04	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 16:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112257	06/14/25 14:26	SMC	EET MID
Soluble	Analysis	300.0		1			112278	06/16/25 09:53	CH	EET MID

Client Sample ID: SW - 18 - 0-2'
Date Collected: 06/13/25 13:50
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-26
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	5030B			5.03 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 13:24	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 16:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 16:53	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112257	06/14/25 14:26	SMC	EET MID
Soluble	Analysis	300.0		1			112278	06/16/25 10:15	CH	EET MID

Client Sample ID: SW - 19 - 0-2'
Date Collected: 06/13/25 14:00
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-27
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	5030B			4.95 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 17:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 17:08	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW - 19 - 0-2'
Date Collected: 06/13/25 14:00
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	112257	06/14/25 14:26	SMC	EET MID
Soluble	Analysis	300.0		1			112278	06/16/25 10:22	CH	EET MID

Client Sample ID: SW - 20 - 0-2'
Date Collected: 06/13/25 14:10
Date Received: 06/13/25 14:46

Lab Sample ID: 890-8292-28
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	5030B			4.96 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 14:05	MNR	EET MID
Total/NA	Analysis	8015 NM		1			112378	06/16/25 17:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112265	06/16/25 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112303	06/16/25 17:24	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112255	06/14/25 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			112266	06/15/25 22:26	CH	EET MID

Client Sample ID: SW-22-0-2
Date Collected: 06/22/25 12:00
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-1
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	112837	06/24/25 08:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112839	06/24/25 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 11:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 09:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112819	06/23/25 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112856	06/24/25 09:21	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 09:46	CH	EET MID

Client Sample ID: B-63-2
Date Collected: 06/22/25 12:10
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-2
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	112837	06/24/25 08:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112839	06/24/25 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112819	06/23/25 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112856	06/24/25 10:10	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 10:08	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-64-2
Date Collected: 06/22/25 12:20
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-3
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	112837	06/24/25 08:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112839	06/24/25 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112819	06/23/25 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112856	06/24/25 10:26	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 10:15	CH	EET MID

Client Sample ID: B-65-2
Date Collected: 06/22/25 12:30
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-4
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			5.05 g	5 mL	112837	06/24/25 08:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112839	06/24/25 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112819	06/23/25 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112856	06/24/25 10:42	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 10:22	CH	EET MID

Client Sample ID: B-66-2
Date Collected: 06/22/25 12:40
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-5
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			5.01 g	5 mL	112846	06/24/25 08:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112841	06/24/25 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112819	06/23/25 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112856	06/24/25 10:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 10:29	CH	EET MID

Client Sample ID: B-67-2
Date Collected: 06/22/25 12:50
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-6
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			4.98 g	5 mL	112846	06/24/25 08:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112841	06/24/25 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:56	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-67-2
Date Collected: 06/22/25 12:50
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			112915	06/24/25 11:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112819	06/23/25 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112856	06/24/25 11:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 10:51	CH	EET MID

Client Sample ID: B-68-2
Date Collected: 06/22/25 13:00
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-7
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			4.95 g	5 mL	112846	06/24/25 08:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112841	06/24/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 13:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 11:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112819	06/23/25 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112856	06/24/25 11:30	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 10:58	CH	EET MID

Client Sample ID: B-69-2
Date Collected: 06/23/25 10:00
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-8
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			5.01 g	5 mL	112851	06/24/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112838	06/24/25 11:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 11:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 09:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112820	06/23/25 16:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112858	06/24/25 09:21	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 11:05	CH	EET MID

Client Sample ID: B-70-2
Date Collected: 06/23/25 11:10
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-9
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			4.98 g	5 mL	112851	06/24/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112838	06/24/25 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112820	06/23/25 16:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112858	06/24/25 10:10	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-70-2
Date Collected: 06/23/25 11:10
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-9
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	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 11:12	CH	EET MID

Client Sample ID: B-71-2
Date Collected: 06/23/25 10:20
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-10
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			4.95 g	5 mL	112851	06/24/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112838	06/24/25 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112820	06/23/25 16:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112858	06/24/25 10:26	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 11:20	CH	EET MID

Client Sample ID: B-72-2
Date Collected: 06/23/25 10:30
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-11
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			5.01 g	5 mL	112849	06/24/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112844	06/24/25 11:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 11:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112820	06/23/25 16:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112858	06/24/25 10:42	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	112855	06/24/25 11:27	CH	EET MID

Client Sample ID: B-73-2
Date Collected: 06/23/25 10:40
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-12
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			4.98 g	5 mL	112849	06/24/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112844	06/24/25 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 11:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 10:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112820	06/23/25 16:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112858	06/24/25 10:58	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 11:48	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-74-2
Date Collected: 06/23/25 10:50
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-13
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			4.95 g	5 mL	112849	06/24/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112844	06/24/25 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 11:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112820	06/23/25 16:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112858	06/24/25 11:14	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 11:56	CH	EET MID

Client Sample ID: SW-23-0-2
Date Collected: 06/23/25 11:00
Date Received: 06/23/25 13:52

Lab Sample ID: 890-8341-14
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			5.05 g	5 mL	112849	06/24/25 08:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112844	06/24/25 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112949	06/24/25 12:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			112915	06/24/25 11:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112820	06/23/25 16:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112858	06/24/25 11:30	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112833	06/24/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			112855	06/24/25 12:17	CH	EET MID

Client Sample ID: SW - 30 - 0-2'
Date Collected: 07/09/25 10:00
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-1
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			4.96 g	5 mL	113945	07/11/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113944	07/11/25 17:15	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 19:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 19:35	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 10:16	CH	EET MID

Client Sample ID: B - 82 - 2'
Date Collected: 07/09/25 10:10
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-2
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	113945	07/11/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113944	07/11/25 17:35	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 20:23	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 82 - 2'
Date Collected: 07/09/25 10:10
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-2
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	8015NM Prep			10.03 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 20:23	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 10:33	CH	EET MID

Client Sample ID: B - 83 - 2'
Date Collected: 07/09/25 10:20
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-3
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			5.05 g	5 mL	113945	07/11/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113944	07/11/25 17:56	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 20:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 20:40	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 10:38	CH	EET MID

Client Sample ID: B - 84 - 2'
Date Collected: 07/09/25 10:30
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-4
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			4.99 g	5 mL	113945	07/11/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113944	07/11/25 18:16	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 20:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 20:55	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 10:44	CH	EET MID

Client Sample ID: B - 85 - 2'
Date Collected: 07/09/25 10:40
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-5
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			4.95 g	5 mL	113945	07/11/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113944	07/11/25 18:37	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 21:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 21:11	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 10:50	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 86 - 2'
Date Collected: 07/09/25 10:50
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-6
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	113945	07/11/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113944	07/11/25 18:57	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 21:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 11:07	CH	EET MID

Client Sample ID: B - 87 - 2'
Date Collected: 07/09/25 11:00
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-7
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			4.98 g	5 mL	113945	07/11/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113944	07/11/25 19:17	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 21:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 21:42	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 11:13	CH	EET MID

Client Sample ID: B - 88 - 2'
Date Collected: 07/09/25 11:10
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-8
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			5.01 g	5 mL	113987	07/11/25 10:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/12/25 01:46	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 22:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 22:00	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 11:18	CH	EET MID

Client Sample ID: B - 89 - 2'
Date Collected: 07/09/25 11:20
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-9
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			4.98 g	5 mL	113987	07/11/25 10:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/12/25 02:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 22:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 22:15	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 89 - 2'
Date Collected: 07/09/25 11:20
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-9
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	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 11:24	CH	EET MID

Client Sample ID: B - 90 - 2'
Date Collected: 07/09/25 11:30
Date Received: 07/09/25 16:56

Lab Sample ID: 890-8428-10
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			5.02 g	5 mL	113987	07/11/25 10:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/12/25 03:40	MNR	EET MID
Total/NA	Analysis	8015 NM		1			114207	07/14/25 22:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113941	07/11/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 22:31	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113940	07/10/25 18:23	SMC	EET MID
Soluble	Analysis	300.0		1			113954	07/11/25 11:30	CH	EET MID

Client Sample ID: B-91-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-1
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	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 12:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 03:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 03:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 13:41	CH	EET MID

Client Sample ID: B-92-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-2
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	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 12:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 03:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 03:31	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 13:07	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-93-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-3
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			5.03 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 12:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 09:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 09:05	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 13:24	CH	EET MID

Client Sample ID: B-94-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-4
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			4.97 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 13:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 09:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 09:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 13:30	CH	EET MID

Client Sample ID: B-95-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-5
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			5.05 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 14:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 09:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 09:37	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 13:35	CH	EET MID

Client Sample ID: B-96-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-6
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	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 15:00	SA	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-96-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114261	07/16/25 09:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 09:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 13:47	CH	EET MID

Client Sample ID: B-99-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-7
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			4.97 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 15:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 15:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 10:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 10:11	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 13:52	CH	EET MID

Client Sample ID: B-100-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-8
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	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 16:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 16:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 10:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 10:28	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 14:09	CH	EET MID

Client Sample ID: B-101-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-9
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			5.01 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 17:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 10:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 10:44	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B-101-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-9
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	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 14:15	CH	EET MID

Client Sample ID: B-102-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-10
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			5.00 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 17:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 11:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 11:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 14:32	CH	EET MID

Client Sample ID: B-104-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-11
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			5.05 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 17:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 11:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114067	07/14/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/16/25 11:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 14:38	CH	EET MID

Client Sample ID: SW-31-0-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-12
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			4.98 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 18:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 00:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114068	07/14/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114226	07/16/25 00:01	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 14:43	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-32-0-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-13
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			4.97 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 18:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 00:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114068	07/14/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114226	07/16/25 00:49	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 14:49	CH	EET MID

Client Sample ID: SW-33-0-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-14
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			5.03 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 18:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 01:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114068	07/14/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114226	07/16/25 01:05	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 14:55	CH	EET MID

Client Sample ID: SW-34-0-2
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-15
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			5.01 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 19:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			114261	07/16/25 01:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114068	07/14/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114226	07/16/25 01:22	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 15:00	CH	EET MID

Client Sample ID: SW-35-0-4
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

Lab Sample ID: 890-8448-16
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			5.05 g	5 mL	114076	07/14/25 09:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114124	07/14/25 19:38	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: SW-35-0-4

Lab Sample ID: 890-8448-16
Matrix: Solid
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 16:22

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			114261	07/17/25 22:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114193	07/15/25 12:00	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114421	07/17/25 22:18	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114075	07/14/25 09:05	SI	EET MID
Soluble	Analysis	300.0		1			114092	07/14/25 15:06	CH	EET MID

Client Sample ID: B - 97 - 2'

Lab Sample ID: 890-8450-1
Matrix: Solid
Date Collected: 07/15/25 09:30
Date Received: 07/15/25 16:28

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	114247	07/16/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114245	07/16/25 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/16/25 13:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/16/25 22:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/16/25 22:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114240	07/16/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			114252	07/16/25 12:46	CH	EET MID

Client Sample ID: B - 98 - 2'

Lab Sample ID: 890-8450-2
Matrix: Solid
Date Collected: 07/15/25 09:40
Date Received: 07/15/25 16:28

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	114247	07/16/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114245	07/16/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/16/25 13:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/16/25 23:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/16/25 23:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114240	07/16/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			114252	07/16/25 12:54	CH	EET MID

Client Sample ID: B - 105 - 2'

Lab Sample ID: 890-8450-3
Matrix: Solid
Date Collected: 07/15/25 09:50
Date Received: 07/15/25 16:28

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	114247	07/16/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114245	07/16/25 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/16/25 14:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/16/25 23:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/16/25 23:53	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 105 - 2'
Date Collected: 07/15/25 09:50
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-3
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			5.03 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 11:52	CH	EET MID

Client Sample ID: B - 106 - 2'
Date Collected: 07/15/25 10:00
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-4
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			5.01 g	5 mL	114247	07/16/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114245	07/16/25 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/16/25 14:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 00:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 00:11	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 12:09	CH	EET MID

Client Sample ID: B - 107 - 2'
Date Collected: 07/15/25 10:10
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-5
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	114247	07/16/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114245	07/16/25 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/16/25 14:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 00:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 00:27	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 12:15	CH	EET MID

Client Sample ID: B - 108 - 2'
Date Collected: 07/15/25 10:20
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-6
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			4.98 g	5 mL	114247	07/16/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114245	07/16/25 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/16/25 15:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 00:44	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 00:44	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 12:20	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 109 - 2'
Date Collected: 07/15/25 10:30
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-7
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			4.96 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 11:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 11:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 01:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 01:00	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 12:26	CH	EET MID

Client Sample ID: B - 110 - 2'
Date Collected: 07/15/25 10:40
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-8
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			5.02 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 11:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 01:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 01:17	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 12:43	CH	EET MID

Client Sample ID: B - 111 - 2'
Date Collected: 07/15/25 10:50
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-9
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			5.05 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 12:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 01:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 01:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 12:49	CH	EET MID

Client Sample ID: B - 112 - 2'
Date Collected: 07/15/25 11:00
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-10
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	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 12:36	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 112 - 2'
Date Collected: 07/15/25 11:00
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114368	07/17/25 01:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 01:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 12:54	CH	EET MID

Client Sample ID: B - 113 - 2'
Date Collected: 07/15/25 11:10
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-11
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			4.97 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 12:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 02:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 02:23	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 13:00	CH	EET MID

Client Sample ID: B - 114 - 2'
Date Collected: 07/15/25 11:20
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-12
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			4.95 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 13:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 02:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 02:38	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 13:06	CH	EET MID

Client Sample ID: B - 115 - 2'
Date Collected: 07/15/25 11:30
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-13
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			5.02 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 13:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 02:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 02:55	TKC	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Client Sample ID: B - 115 - 2'
Date Collected: 07/15/25 11:30
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 13:11	CH	EET MID

Client Sample ID: B - 116 - 2'
Date Collected: 07/15/25 11:40
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-14
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			5.01 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 13:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 03:11	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 03:11	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 13:28	CH	EET MID

Client Sample ID: B - 117 - 2'
Date Collected: 07/15/25 11:50
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-15
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	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 14:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 03:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 03:28	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 13:34	CH	EET MID

Client Sample ID: B - 103 - 2'
Date Collected: 07/15/25 12:00
Date Received: 07/15/25 16:28

Lab Sample ID: 890-8450-16
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			5.01 g	5 mL	114313	07/17/25 08:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114315	07/17/25 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114386	07/17/25 14:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			114368	07/17/25 03:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 03:43	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	114241	07/16/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			114253	07/16/25 13:51	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 890-8450-2
Project/Site: Tomahawk WC Unit 714 SDG: EDDY COUNTY

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

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 US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

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
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-59525-1	B-58-2'	Solid	06/19/25 10:00	06/19/25 17:04
880-59525-2	SW-15-0-2'	Solid	06/19/25 10:30	06/19/25 17:04
880-59525-3	B-59-2'	Solid	06/19/25 11:10	06/19/25 17:04
880-59525-4	B-60-2'	Solid	06/19/25 11:25	06/19/25 17:04
880-59525-5	B-61-2'	Solid	06/19/25 11:35	06/19/25 17:04
880-59525-6	B-62-2'	Solid	06/19/25 11:45	06/19/25 17:04
880-59525-7	SW-21--0-2'	Solid	06/19/25 12:00	06/19/25 17:04
880-59525-8	B-45-2.5'	Solid	06/19/25 12:30	06/19/25 17:04
880-59525-9	B-44-2.5'	Solid	06/19/25 12:40	06/19/25 17:04
880-59967-1	SW-26-0-2'	Solid	06/30/25 11:20	07/02/25 09:37
880-59967-2	SW-24-0-2'	Solid	07/01/25 14:00	07/02/25 09:37
880-59967-3	SW-25-0-2'	Solid	07/01/25 14:10	07/02/25 09:37
880-59967-4	SW-27-0-2'	Solid	07/01/25 14:20	07/02/25 09:37
880-59967-5	B-75-0-2'	Solid	07/01/25 12:00	07/02/25 09:37
880-59967-6	B-76-0-2'	Solid	07/01/25 12:10	07/02/25 09:37
880-59967-7	B-77-0-2'	Solid	07/01/25 12:20	07/02/25 09:37
880-59967-8	B-78-0-2'	Solid	07/01/25 12:30	07/02/25 09:37
880-59967-9	SW-28-0-4'	Solid	07/01/25 12:40	07/02/25 09:37
880-59967-10	SW-29-0-4'	Solid	07/01/25 12:50	07/02/25 09:37
880-59967-11	B-80-4'	Solid	07/01/25 13:00	07/02/25 09:37
880-59967-12	B-81-4'	Solid	07/01/25 13:10	07/02/25 09:37
880-59967-13	B-79-2'	Solid	07/01/25 13:20	07/02/25 09:37
890-8256-1	SW-1-0-4	Solid	05/29/25 13:00	05/30/25 16:13
890-8256-2	SW-2-0-4	Solid	05/29/25 13:10	05/30/25 16:13
890-8256-3	SW-3-0-4	Solid	05/29/25 13:20	05/30/25 16:13
890-8256-4	SW-4-0-4	Solid	05/29/25 13:30	05/30/25 16:13
890-8256-5	SW-5-0-4	Solid	05/29/25 13:40	05/30/25 16:13
890-8256-6	SW-6-0-4	Solid	05/29/25 13:50	05/30/25 16:13
890-8256-7	B-2-4	Solid	05/29/25 14:10	05/30/25 16:13
890-8256-8	B-3-4	Solid	05/29/25 14:20	05/30/25 16:13
890-8256-9	B-4-4	Solid	05/29/25 14:30	05/30/25 16:13
890-8256-10	B-5-4	Solid	05/29/25 14:40	05/30/25 16:13
890-8256-11	B-6-4	Solid	05/29/25 14:50	05/30/25 16:13
890-8256-12	B-8-4	Solid	05/29/25 15:10	05/30/25 16:13
890-8256-13	B-12-4	Solid	05/29/25 15:50	05/30/25 16:13
890-8256-14	B-18-4	Solid	05/30/25 08:30	05/30/25 16:13
890-8256-15	B-19-4	Solid	05/30/25 08:40	05/30/25 16:13
890-8256-16	B-20-4	Solid	05/30/25 08:50	05/30/25 16:13
890-8256-17	B-21-4	Solid	05/30/25 09:00	05/30/25 16:13
890-8256-18	B-22-4	Solid	05/30/25 09:10	05/30/25 16:13
890-8256-19	B-23-4	Solid	05/30/25 09:20	05/30/25 16:13
890-8256-20	SW-7-0-2	Solid	05/30/25 13:00	05/30/25 16:13
890-8256-21	SW-9-0-2	Solid	05/30/25 13:10	05/30/25 16:13
890-8256-22	SW-11-0-2	Solid	05/30/25 13:30	05/30/25 16:13
890-8260-1	SW - 10 - 0 - 2'	Solid	06/02/25 09:00	06/02/25 16:48
890-8260-2	B - 17 - 2'	Solid	06/02/25 09:10	06/02/25 16:48
890-8260-3	B - 1 - 4'	Solid	06/02/25 10:00	06/02/25 16:48
890-8260-4	B - 7 - 4'	Solid	06/02/25 10:10	06/02/25 16:48
890-8260-5	B - 9 - 4'	Solid	06/02/25 10:20	06/02/25 16:48
890-8260-6	B - 10 - 4'	Solid	06/02/25 10:30	06/02/25 16:48
890-8260-7	B - 11 - 4'	Solid	06/02/25 10:40	06/02/25 16:48
890-8260-8	B - 24 - 2'	Solid	06/02/25 10:50	06/02/25 16:48
890-8260-9	B - 25 - 2'	Solid	06/02/25 11:00	06/02/25 16:48
890-8260-10	B - 26 - 2'	Solid	06/02/25 11:10	06/02/25 16:48

Sample Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8260-11	B - 27 - 2'	Solid	06/02/25 11:20	06/02/25 16:48
890-8260-12	B - 28 - 2'	Solid	06/02/25 11:30	06/02/25 16:48
890-8260-13	B - 29 - 2'	Solid	06/02/25 11:40	06/02/25 16:48
890-8260-14	B - 30 - 2'	Solid	06/02/25 11:50	06/02/25 16:48
890-8260-15	SW - 8 - 0-2'	Solid	06/02/25 12:00	06/02/25 16:48
890-8260-16	SW - 12 - 0-2'	Solid	06/02/25 12:10	06/02/25 16:48
890-8260-17	SW - 13 - 0-2'	Solid	06/02/25 12:20	06/02/25 16:48
890-8266-1	B - 13 - 2'	Solid	06/03/25 12:00	06/03/25 16:20
890-8266-2	B - 14 - 2'	Solid	06/03/25 12:10	06/03/25 16:20
890-8266-3	B - 15 - 2'	Solid	06/03/25 12:20	06/03/25 16:20
890-8266-4	B - 16 - 2'	Solid	06/03/25 12:30	06/03/25 16:20
890-8266-5	B - 31 - 2'	Solid	06/03/25 12:40	06/03/25 16:20
890-8266-6	B - 32 - 2'	Solid	06/03/25 12:50	06/03/25 16:20
890-8266-7	B - 33 - 2'	Solid	06/03/25 13:00	06/03/25 16:20
890-8266-8	B - 34 - 2'	Solid	06/03/25 13:10	06/03/25 16:20
890-8266-9	SW - 14 - 0-2'	Solid	06/03/25 13:20	06/03/25 16:20
890-8266-10	SW - 15 - 0-2'	Solid	06/03/25 13:30	06/03/25 16:20
890-8268-1	BACKFILL	Solid	06/04/25 09:30	06/04/25 14:46
890-8292-1	B - 35 - 2'	Solid	06/12/25 13:10	06/13/25 14:46
890-8292-2	B - 36 - 2'	Solid	06/12/25 13:20	06/13/25 14:46
890-8292-3	B - 37 - 2'	Solid	06/12/25 13:30	06/13/25 14:46
890-8292-4	B - 38 - 2'	Solid	06/12/25 13:40	06/13/25 14:46
890-8292-5	B - 39 - 2'	Solid	06/12/25 13:50	06/13/25 14:46
890-8292-6	B - 40 - 2'	Solid	06/12/25 14:00	06/13/25 14:46
890-8292-7	B - 41 - 2'	Solid	06/12/25 14:10	06/13/25 14:46
890-8292-8	B - 42 - 2'	Solid	06/12/25 14:20	06/13/25 14:46
890-8292-9	B - 43 - 2'	Solid	06/12/25 14:30	06/13/25 14:46
890-8292-10	B - 44 - 2'	Solid	06/12/25 14:40	06/13/25 14:46
890-8292-11	B - 45 - 2'	Solid	06/12/25 14:50	06/13/25 14:46
890-8292-12	B - 46 - 2'	Solid	06/12/25 15:00	06/13/25 14:46
890-8292-13	SW - 16 - 0-2'	Solid	06/12/25 15:20	06/13/25 14:46
890-8292-14	SW - 17 - 0-2'	Solid	06/12/25 15:30	06/13/25 14:46
890-8292-15	B - 47 - 2'	Solid	06/13/25 12:00	06/13/25 14:46
890-8292-16	B - 48 - 2'	Solid	06/13/25 12:10	06/13/25 14:46
890-8292-17	B - 49 - 2'	Solid	06/13/25 12:20	06/13/25 14:46
890-8292-18	B - 50 - 2'	Solid	06/13/25 12:30	06/13/25 14:46
890-8292-19	B - 51 - 2'	Solid	06/13/25 12:40	06/13/25 14:46
890-8292-20	B - 52 - 2'	Solid	06/13/25 12:50	06/13/25 14:46
890-8292-21	B - 53 - 2'	Solid	06/13/25 13:00	06/13/25 14:46
890-8292-22	B - 54 - 2'	Solid	06/13/25 13:10	06/13/25 14:46
890-8292-23	B - 55 - 2'	Solid	06/13/25 13:20	06/13/25 14:46
890-8292-24	B - 56 - 2'	Solid	06/13/25 13:30	06/13/25 14:46
890-8292-25	B - 57 - 2'	Solid	06/13/25 13:40	06/13/25 14:46
890-8292-26	SW - 18 - 0-2'	Solid	06/13/25 13:50	06/13/25 14:46
890-8292-27	SW - 19 - 0-2'	Solid	06/13/25 14:00	06/13/25 14:46
890-8292-28	SW - 20 - 0-2'	Solid	06/13/25 14:10	06/13/25 14:46
890-8341-1	SW-22-0-2	Solid	06/22/25 12:00	06/23/25 13:52
890-8341-2	B-63-2	Solid	06/22/25 12:10	06/23/25 13:52
890-8341-3	B-64-2	Solid	06/22/25 12:20	06/23/25 13:52
890-8341-4	B-65-2	Solid	06/22/25 12:30	06/23/25 13:52
890-8341-5	B-66-2	Solid	06/22/25 12:40	06/23/25 13:52
890-8341-6	B-67-2	Solid	06/22/25 12:50	06/23/25 13:52
890-8341-7	B-68-2	Solid	06/22/25 13:00	06/23/25 13:52
890-8341-8	B-69-2	Solid	06/23/25 10:00	06/23/25 13:52

Sample Summary

Client: Arcadis US Inc.
Project/Site: Tomahawk WC Unit 714

Job ID: 890-8450-2
SDG: EDDY COUNTY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8341-9	B-70-2	Solid	06/23/25 11:10	06/23/25 13:52
890-8341-10	B-71-2	Solid	06/23/25 10:20	06/23/25 13:52
890-8341-11	B-72-2	Solid	06/23/25 10:30	06/23/25 13:52
890-8341-12	B-73-2	Solid	06/23/25 10:40	06/23/25 13:52
890-8341-13	B-74-2	Solid	06/23/25 10:50	06/23/25 13:52
890-8341-14	SW-23-0-2	Solid	06/23/25 11:00	06/23/25 13:52
890-8428-1	SW - 30 - 0-2'	Solid	07/09/25 10:00	07/09/25 16:56
890-8428-2	B - 82 - 2'	Solid	07/09/25 10:10	07/09/25 16:56
890-8428-3	B - 83 - 2'	Solid	07/09/25 10:20	07/09/25 16:56
890-8428-4	B - 84 - 2'	Solid	07/09/25 10:30	07/09/25 16:56
890-8428-5	B - 85 - 2'	Solid	07/09/25 10:40	07/09/25 16:56
890-8428-6	B - 86 - 2'	Solid	07/09/25 10:50	07/09/25 16:56
890-8428-7	B - 87 - 2'	Solid	07/09/25 11:00	07/09/25 16:56
890-8428-8	B - 88 - 2'	Solid	07/09/25 11:10	07/09/25 16:56
890-8428-9	B - 89 - 2'	Solid	07/09/25 11:20	07/09/25 16:56
890-8428-10	B - 90 - 2'	Solid	07/09/25 11:30	07/09/25 16:56
890-8448-1	B-91-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-2	B-92-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-3	B-93-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-4	B-94-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-5	B-95-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-6	B-96-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-7	B-99-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-8	B-100-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-9	B-101-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-10	B-102-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-11	B-104-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-12	SW-31-0-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-13	SW-32-0-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-14	SW-33-0-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-15	SW-34-0-2	Solid	07/10/25 00:00	07/11/25 16:22
890-8448-16	SW-35-0-4	Solid	07/10/25 00:00	07/11/25 16:22
890-8450-1	B - 97 - 2'	Solid	07/15/25 09:30	07/15/25 16:28
890-8450-2	B - 98 - 2'	Solid	07/15/25 09:40	07/15/25 16:28
890-8450-3	B - 105 - 2'	Solid	07/15/25 09:50	07/15/25 16:28
890-8450-4	B - 106 - 2'	Solid	07/15/25 10:00	07/15/25 16:28
890-8450-5	B - 107 - 2'	Solid	07/15/25 10:10	07/15/25 16:28
890-8450-6	B - 108 - 2'	Solid	07/15/25 10:20	07/15/25 16:28
890-8450-7	B - 109 - 2'	Solid	07/15/25 10:30	07/15/25 16:28
890-8450-8	B - 110 - 2'	Solid	07/15/25 10:40	07/15/25 16:28
890-8450-9	B - 111 - 2'	Solid	07/15/25 10:50	07/15/25 16:28
890-8450-10	B - 112 - 2'	Solid	07/15/25 11:00	07/15/25 16:28
890-8450-11	B - 113 - 2'	Solid	07/15/25 11:10	07/15/25 16:28
890-8450-12	B - 114 - 2'	Solid	07/15/25 11:20	07/15/25 16:28
890-8450-13	B - 115 - 2'	Solid	07/15/25 11:30	07/15/25 16:28
890-8450-14	B - 116 - 2'	Solid	07/15/25 11:40	07/15/25 16:28
890-8450-15	B - 117 - 2'	Solid	07/15/25 11:50	07/15/25 16:28
890-8450-16	B - 103 - 2'	Solid	07/15/25 12:00	07/15/25 16:28

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Heath Boyd	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-13156-1938.1
Client Contact: Justin Nixon	Phone: 575-942-0292	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 2
Company: Arcadis US Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 24 hr Cl', 3-Day BTEX, TPH			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested			
Email: Justin.Nixon@arcadis.com	WO #:			
Project Name: Tomahawk WC Unit 714	Project #: [redacted] 30285208.02			
Site: Eddy County, NM	SSOW#:			

Analysis Requested

890-8450 Chain of Custody

Preservation Codes: N - None (on ICE)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B-97-2'	7/15/25	930	C	Solid			X		24 hr on Cl' + 3-Day BTEX, TPH
B-98-2'		940		Solid			X		
B-105-2'		950		Solid			X		
B-106-2'		1000		Solid			X		
B-107-2'		1010		Solid			X		
B-108-2'		1020		Solid			X		
B-109-2'		1030		Solid			X		
B-110-2'		1040		Solid			X		
B-111-2'		1050		Solid			X		
B-112-2'		1100		Solid			X		
B-113-2'	X	1110	X	Solid			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		7/15/25 1630	Arcadis		7/15 1628	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: TNMCO 6.6 5.8

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Heath Boyd	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 880-13156-1938.1
Client Contact: Justin Nixon	Phone: 575-942-0292	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 2
Company: Arcadis US Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 24hr Cl', 3-Day BTEX + TPH			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 432-296-9547(Tel)	PO #: Purchase Order Requested			
Email: Justin.Nixon@arcadis.com	WO #:			
Project Name: Tomahawk WC Unit 714	Project #: [redacted]30285208.02			
Site: Eddy County, NM	SSOW#:			

Analysis Requested

Preservation Codes: N - None (on ICE)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B-114-2'	7/15/25	1120	C	Solid			X		24hr On Cl' + 3-Day BTEX + TPH
B-115-2'	"	1130	"	Solid					
B-116-2'	"	1140	"	Solid					
B-117-2'	"	1150	"	Solid					
B-103-2'	X	1200	X	Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 7/15/25 1630	Company Arcadis	Received by:	Date/Time: 7/15 1628	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: TNMOC 6.0 5.8

Ver: 05/06/2024

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Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Builes, John	Carrier Tracking No(s): N/A	COC No: 890-5447.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8450-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 7/16/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Tomahawk WC Unit 714	Project #: 88002554			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastestoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B_SolidNACBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
B - 97 - 2' (890-8450-1)	7/15/25	09:30 Central	G	Solid			X	X	X	X	X	1	
B - 98 - 2' (890-8450-2)	7/15/25	09:40 Central	G	Solid			X	X	X	X	X	1	
B - 105 - 2' (890-8450-3)	7/15/25	09:50 Central	G	Solid			X	X	X	X	X	1	
B - 106 - 2' (890-8450-4)	7/15/25	10:00 Central	G	Solid			X	X	X	X	X	1	
B - 107 - 2' (890-8450-5)	7/15/25	10:10 Central	G	Solid			X	X	X	X	X	1	
B - 108 - 2' (890-8450-6)	7/15/25	10:20 Central	G	Solid			X	X	X	X	X	1	
B - 109 - 2' (890-8450-7)	7/15/25	10:30 Central	G	Solid			X	X	X	X	X	1	
B - 110 - 2' (890-8450-8)	7/15/25	10:40 Central	G	Solid			X	X	X	X	X	1	
B - 111 - 2' (890-8450-9)	7/15/25	10:50 Central	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/15 1630		[signature]	7/16/25 0800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8/4.7 FR-8 (-0.1)

Ver: 10/10/2024

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Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Builes, John	Carrier Tracking No(s): N/A	COC No: 890-5447.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8450-1
Address: 1211 W. Florida Ave,	Due Date Requested: 7/16/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Tomahawk WC Unit 714	Project #: 88002554			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B_SolidNACBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
B - 112 - 2' (890-8450-10)	7/15/25	11:00 Central	G	Solid			X	X	X	X	X	1	
B - 113 - 2' (890-8450-11)	7/15/25	11:10 Central	G	Solid			X	X	X	X	X	1	
B - 114 - 2' (890-8450-12)	7/15/25	11:20 Central	G	Solid			X	X	X	X	X	1	
B - 115 - 2' (890-8450-13)	7/15/25	11:30 Central	G	Solid			X	X	X	X	X	1	
B - 116 - 2' (890-8450-14)	7/15/25	11:40 Central	G	Solid			X	X	X	X	X	1	
B - 117 - 2' (890-8450-15)	7/15/25	11:50 Central	G	Solid			X	X	X	X	X	1	
B - 103 - 2' (890-8450-16)	7/15/25	12:00 Central	G	Solid			X	X	X	X	X	1	

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/15 1630		[signature]	7/16/25 0800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8/4.7 IR-8 (-0.1)

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Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8450-2
SDG Number: EDDY COUNTY

Login Number: 8450
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8450-2
SDG Number: EDDY COUNTY

Login Number: 8450
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 07/16/25 09:48 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Arcadis U.S., Inc.
1004 North Big Spring Street, Suite 121
Midland
Texas 79701
Phone: 432 687 5400
Fax: 432 687 5401
www.arcadis.com

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 498396

QUESTIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 498396
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430659655**
Incident Name	**NAPP2430659655 TOMAHAWK WC UNIT 714 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Reclamation Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	TOMAHAWK WC UNIT 714
Date Release Discovered	10/30/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Produced Water | Released: 291 BBL | Recovered: 20 BBL | Lost: 271 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)	Material spilled was Recycled Produced Water.

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QUESTIONS (continued)

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 498396
	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)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/03/2025

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QUESTIONS (continued)

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 498396
	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)	Between 75 and 100 (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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	573
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50.2
GRO+DRO (EPA SW-846 Method 8015M)	50.2
BTEX (EPA SW-846 Method 8021B or 8260B)	0.4
Benzene (EPA SW-846 Method 8021B or 8260B)	0.2
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	05/29/2025
On what date will (or did) the final sampling or liner inspection occur	05/29/2025
On what date will (or was) the remediation complete(d)	07/25/2025
What is the estimated surface area (in square feet) that will be reclaimed	46800
What is the estimated volume (in cubic yards) that will be reclaimed	4976
What is the estimated surface area (in square feet) that will be remediated	46800
What is the estimated volume (in cubic yards) that will be remediated	4976
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 (continued)

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	Action Number: 498396
	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	TOMAHAWK FED 20-O CTB SAT [fAPP2203451054]
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: 08/22/2025
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 (continued)

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	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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	Action Number: 498396
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**467456**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/28/2025**
What was the (estimated) number of samples that were to be gathered	**400**
What was the sampling surface area in square feet	**135000**

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	46800
What was the total volume (cubic yards) remediated	4976
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	46800
What was the total volume (in cubic yards) reclaimed	4976
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: 08/22/2025

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	46800
What was the total volume of replacement material (in cubic yards) for this site	46800
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.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/25/2025
Summarize any additional reclamation activities not included by answers (above)	Site has been compacted and reeeseded to return the area back to pre existing conditions.
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 reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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.	
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QUESTIONS (continued)

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	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.	

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CONDITIONS

Action 498396

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/25/2025