



Chris Brand
Environmental Remediation/ Facility Decom Advisor

VIA ELECTRONIC MAIL

October 13, 2025

New Mexico Oil Conservation Division
District I
1625 N. French Drive
Hobbs, New Mexico 88240

**Re: Lovington Deep State
Soil Remediation Summary and Closure Request Report**

Incident No. NPAC0728432741

Case No. 1RP-1612

Dear Whom it May Concern:

Please find enclosed for your files, copies of the following:
Lovington Deep State Soil Remediation Summary and Closure Request Report

The report was prepared by Arcadis U.S., Inc. (Arcadis) on behalf of Chevron Environmental Management Company (CEMC) for Chevron Midcontinent L.P.

Please do not hesitate to call Morgan Jordan with Arcadis at 281.644.9437, or myself at 661.401.0359, should you have any questions.

Sincerely,

Chris Brand

Encl. Soil Remediation Summary and Closure Request Report
 Lovington Deep State

cc. Morgan Jordan – Arcadis

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Chevron Environmental Management Company

2025 Soil Remediation Summary and Closure Request Report

Lovington Deep State

Incident # NPAC0728432741

Lea County, New Mexico

October 2025

2025 Soil Remediation Summary and Closure Request Report
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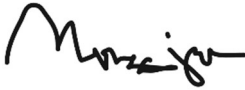
October 2025

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2025 Soil Remediation Summary and Closure Request Report
Lovington Deep State

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2025 Soil Remediation Summary and Closure Request Report

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Soil Remediation Summary and Closure Request Report for Chevron Environmental Management Company (CEMC) on behalf of Chevron Midcontinental L.P., through its division Chevron North America Exploration and Production Company, for the release site known as the Lovington Deep State (Site) located at coordinates: 32.863970, -103.385182.

2 Project Summary

The Site is located on state land approximately 5.60 miles southwest of the City of Lovington in Unit M, Section 5, Township 17 South, Range 36 East, Lea County, New Mexico. The site is located within a low karst area. A Site Location Map is included as **Figure 1** and a Topographic Map as **Figure 2**.

According to the Initial C-141 Form, on October 2, 2007, a water transfer line leaked. Approximately 2 barrels (bbls) of crude oil and 20 bbls of produced water were released. Approximately 1 bbl of crude oil and 13 bbls of produced water were recovered. The initial C-141 Form was approved on October 5, 2007, and assigned remediation permit number 1RP-1612 and incident number NPAC0728432741.

3 Current Site Status

Currently there is a newly installed Lea Midstream active gas pipeline running through the middle of the Site. The construction and installation of pipeline was conducted from May– June 2025. The Lea Midstream gas pipeline is presented in **Figure 3** and **Figure 4**. All remediation work was planned and communicated with Lea Midstream Gas before and during excavation activities. A Lea Midstream representative was onsite during remediation activities within proximity to their pipeline.

4 Cultural and Biological Compliance

An ARMS review has been completed, and a Cultural Survey was conducted on-site by an Arcadis archaeologist per the Cultural Properties Protection Rule (19.2.24 NMAC). The New Mexico State Land Office (NMSLO) Cultural Resources Cover Sheet, survey complete form, is included as **Appendix A**.

5 Threatened and Endangered Species

According to the U.S. Fish & Wildlife Information Service (USFWS) for Planning and Consulting (IPaC) database, the Site is located in the following protection areas: lesser prairie-chicken, northern aplomado falcon, and the monarch butterfly. There are no USFWS designated critical habitats surrounding the Site.

The Site is not located near any Bureau of Land Management (BLM) Carlsbad Field Office (CFO) planning areas for lesser prairie-chicken or any other BLM CFO mapped habitat for special status species, additionally, the Site is not located near any BLM CFO mapped special status plant species (SSPS) habitat. The Site is mapped as priority level 4 for both crucial habitat and species of concern by the New Mexico Crucial Habitat Assessment Tool (CHAT) and no species of concern under the Biota Information System of New Mexico (BISON-M) are likely to occur at the Site.

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6 Soil Assessment Activities

In 2007 (Ocotillo Environmental Inc) and 2020 (Larson & Associates, Inc.), site assessment activities were performed to evaluate soil impacts stemming from the release. A total of thirteen (13) sample points (BH-1 through BH-13) were advanced to depths ranging from the surface to 25 feet below ground surface (bgs) inside and surrounding the release area to evaluate the horizontal and vertical extents of the release. Horizontal and vertical delineation was assessed in each cardinal direction to determine the potential area of concern. Arcadis used this data and field screening to guide proposed remediation activities prior to collecting any confirmation samples.

Following initial assessment activities Chevron submitted a Remediation Work Plan to the NMOCD in June 2021 and the NMSLO in April 2024 proposing excavation and confirmation soil sampling activities at the Site. The Remediation Work Plan was approved by the NMOCD on April 18, 2022, and the NMSLO on April 24, 2024.

7 Site Characterization

After a review of the New Mexico Office of State Engineers (NMOSE) and United States Geological Survey (USGS) databases, USGS well 325137103225401 located approximately 130 feet west of the Site was identified and depth to water was verified at 54.90 feet bgs in 2006, but after further review and inspection there is an active irrigation well, L-10723, located approximately 75 feet south of the Site. As such, assessment activities completed to date and remediation activities at the Site have been evaluated against the most stringent criteria for soils within the first 4 feet of soil and within soil greater than 4 ft bgs.

8 NMAC Regulatory Criteria

Per Table I of NMAC part 19.15.29.12, the following closure criteria apply to the Site for reclamation activities within the first 4 feet of soil and within soil greater than 4 feet bgs:

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

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9 Remediation Activities Summary

9.1 Soil Removal

Soil remediation activities were performed from June 18, 2025, through August 11, 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 determine the horizontal and vertical extent of soil impacted by the release. Horizontal and vertical delineation of the impacted soil requiring removal was based on samples collected from the perimeter and bottom of the release area. Based on these results, it was determined that the release covered an approximately 16,730 square foot (sq ft) area. Excavation activities were conducted to a maximum depth of approximately 22 feet bgs. Approximately 7,335 cubic yards of impacted soil were excavated from the release area. The limits of the excavation are presented in **Figure 3** and **Figure 4**. Excavated soil was stockpiled on-site, adjacent to the release area on 20 millimeter (mil) thick plastic sheeting and covered with 20 mil plastic sheeting during remediation activities.

The stockpiled soil was disposed offsite at the Lea Land LLC located in Hobbs, New Mexico as Class 2 non-hazardous material. Copies of disposal manifests can be provided upon request.

9.2 Excavation Confirmation Sampling Activities

Arcadis conducted excavation confirmation soil sampling activities from June 30, 2025, through August 11, 2025, for laboratory analyses. Following excavation of the impacted area, 5-point composite confirmation soil samples were collected from the excavation area as needed to maintain an approximate 200 square foot sample spacing or less in accordance with NMAC 19.15.29.12 D(1)(b). The excavation sidewall confirmation sample locations are depicted in **Figure 3** and excavation base confirmation samples are depicted in **Figure 4**.

The confirmation soil samples were collected for chemical analyses, placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The sample was analyzed for modified BTEX by EPA Method 8021B, TPH by United States Environmental Protection Agency (EPA) Method 8015, and chloride by EPA method 300. Soil sample analytical results are summarized in **Table 1**. The laboratory analytical reports are included in **Appendix B**.

9.2.1 BTEX

BTEX concentrations were reported below the NMOCD reclamation and remediation standards.

9.2.2 TPH

TPH concentrations were reported below the NMOCD reclamation and remediation standards for GRO, DRO, and ORO.

9.2.3 Chloride

Chloride concentrations were reported below the NMOCD reclamation and remediation standards.

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10 Restoration, Reclamation, and Re-Vegetation Activities

Prior to backfill, a 5-point composite sample was collected from the backfill material to confirm all constituents were below the NMOCD reclamation standards for BTEX, TPH, and chloride and the analytical results are included in **Table 1** and **Appendix B**. Upon receiving laboratory analytical data confirming impacted soil over the applicable restoration limits had been removed from the release area, the excavated area was backfilled with locally sourced, non-impacted "like" material suitable to establish vegetation growth.

Approximately 16,730 square feet of the area of concern pertaining to the remediated area for incident number NPAC0728432741 was restored to its near original condition. The area was contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable.

Reclamation activities will not be conducted on any active existing utility pipeline rights-of-ways, meter runs, etc., and will be left in place to allow for future accessibility.

The area was re-seeded on September 10, 2025, with an NMSLO approved seed mixture based on documented soil types proximate to the site. The re-seeding report is included in **Appendix C**.

11 Summary

Analytical results associated with the remediation activities conducted in 2025 indicate that the horizontal and vertical extent of BTEX, TPH, and chloride impact in soil above NMAC screening standards have been remediated (excavated) from the impacted area. The area was backfilled with clean/ suitable material to establish vegetation growth, graded to match the original surface conditions and drainage, restored to its near original condition, and re-seeded.

Photographic documentation of the remediation and restoration activities are included in **Appendix D**.

12 Remediation 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. 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 for the remediated area at the Site.

Based on laboratory analytical results and field activities conducted to date, no additional soil assessment or remediation activities are recommended at this time at the Site.

The area was re-seeded on September 10, 2025, with an NMSLO approved seed mixture based on documented soil types proximate to the site.

Arcadis requests remediation closure be granted to the Lovington Deep State for Incident Number NPAC0728432741.

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Tables

Table 1
Soil Analytical Results
Chevron Environmental Management Company
Lovington Deep State
Lea County, NM



Sample I.D.	Sample Depth (feet bgs)	Date	Soil Status											
				Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH-GRO	TPH-DRO	TPH GRO + DRO	TPH MRO	Total TPH	Chloride
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards				10	--	--	--	50	--	--	--	--	100	600
Restoration Requirements				10	--	--	--	50	--	--	--	--	100	600
SW-1	0-4	06/30/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	510
SW-2	0-4	06/30/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	68.7 F1
SW-3	0-4	06/30/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	16.4 J	16.4 J	<15.1	16.4 J	94.3
SW-4	0-4	06/30/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	<15.0	236
SW-5	0-4	06/30/25	Removed	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	724
SW-5a	0-4	07/07/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	498
SW-6	0-4	06/30/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	79.0
SW-7	0-4	06/30/25	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	325
SW-8	0-3	07/25/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	150
SW-9	0-3	07/25/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	<15.0	9.19 J
SW-10	0-3	07/25/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	<15.1	8.16 J
SW-11	0-14	08/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	39.7 J	26.2 J	65.9 J	<15.1	65.9	119
SW-12	0-14	08/07/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	43.0 J	25.7 J	68.7 J	<15.1	68.7	326
SW-13	0-12	08/07/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	23.4 J B F1	24.3 J	47.7 J B F1	<15.1	47.7 J	142
SW-14	0-14	08/07/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	44.3 J B	22.3 J	66.6 J B	<15.1	66.6	5.41 J
SW-15	0-14	08/07/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	26.6 J	26.6 J	<15.1	26.6 J	9.83 J
SW-16	0-8	08/07/25	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	25.0 J B	23.7 J	48.7 J B	<15.1	48.7 J	17.4
SW-17	0-8	08/07/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	16.7 J B	26.1 J	42.8 J B	<15.1	42.8 J	95.8
SW-18	0-5	08/07/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	30.8 J B	22.5 J	53.3 J B	<15.1	53.3	32.3
SW-19	0-4	08/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	22.6 J B	23.4 J	46.0 J B	<15.1	46.0 J	55.0
B-1	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	138
B-2	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	137
B-3	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	131
B-4	4	07/07/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	1.08
B-5	4	07/07/25	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	96.6
B-6	4	07/07/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	17.0 J	17.0 J	<15.1	17.0 J	111
B-7	4	07/07/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	76.4
B-8	4	07/07/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.4	<15.0	<15.0	<15.0	<15.0	237
B-9	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	119
B-10	4	07/07/25	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	109
B-11	4	07/07/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	107
B-12	4	07/07/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.4	<15.0	<15.0	<15.0	<15.0	121
B-13	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	154
B-14	4	07/07/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	<15.1	147
B-15	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	88.6
B-16	4	07/07/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	260
B-17	9	07/07/25	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	117
B-18	4	07/07/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	221
B-19	8	07/07/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	353
B-20	4	07/07/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	<15.0	142
B-21	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	143
B-22	4	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	83.8
B-23	8	07/07/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	255 F1
B-24	8	07/07/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	<15.0	325
B-25	4	07/07/25	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	278
B-26	4	07/07/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	15.6 J	15.6 J	<15.1	15.6 J	118
B-27	4	07/08/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	282
B-28	4	07/08/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	17.6 J	17.6 J	<15.1	17.6 J	400

Table 1
Soil Analytical Results
Chevron Environmental Management Company
Lovington Deep State
Lea County, NM



Sample I.D.	Sample Depth (feet bgs)	Date	Soil Status											
				Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH-GRO	TPH-DRO	TPH GRO + DRO	TPH MRO	Total TPH	Chloride
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMAC Standards				10	--	--	--	50	--	--	--	--	100	600
Restoration Requirements				10	--	--	--	50	--	--	--	--	100	600
B-29	4	07/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	16.2 J	16.2 J	<15.1	16.2 J	521
B-30	4	07/08/25	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.4	<15.0	<15.0	<15.0	<15.0	217
B-31	5	07/09/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	225
B-32	4	07/08/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	326
B-33	4	07/08/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.5	<15.1	<15.1	<15.1	<15.1	206
B-34	12	07/11/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	160
B-35	4	07/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	314
B-36	5	07/09/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	<15.0	437
B-37	4	07/08/25	Removed	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	<15.1	608
B-37	4.5	07/14/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.4	<15.0	<15.0	<15.0	<15.0	160
B-38	4	07/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	15.6 J	15.6 J	<15.1	15.6 J	426
B-39	5	07/09/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	609
B-40	4	07/08/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	181
B-41	4	07/08/25	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	157
B-42	4	07/08/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	102
B-43	4	07/08/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	<15.0	137
B-44	4	07/08/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	112
B-45	4	07/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	18.3 J	18.3 J	<15.1	18.3 J	118
B-46	4	07/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	97.3
B-47	4	07/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	95.8
B-48	12	07/08/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	155
B-49	12	07/08/25	In-Situ	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	95.1
B-50	12	07/08/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	120
B-51	15	07/11/25	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.4	<15.0	<15.0	<15.0	<15.0	88.1
B-52	15	07/11/25	In-Situ	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	186
B-53	4	07/08/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	414
B-54	4	07/08/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	<15.1	212
B-55	4	07/14/25	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	136
B-56	4	07/25/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	12.1
B-57	4	07/25/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.6	<15.2	<15.2	<15.2	<15.2	15.3
B-58	4	07/25/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.4	<15.0	<15.0	<15.0	<15.0	127
B-59	4	07/25/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	493
B-60	5	07/25/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	<15.1	11.4
B-61	3	07/25/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	<14.4	<15.0	<15.0	<15.0	<15.0	8.63 J
B-62	3	07/25/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	<14.6	<15.2	<15.2	<15.2	<15.2	101
B-63	3	07/25/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	201
B-64	7	07/28/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	450
B-65	16	07/28/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	137
B-66	3	07/25/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	22.3
B-67	3	07/25/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	<14.5	<15.1	<15.1	<15.1	<15.1	41.5
B-68	8	08/07/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	28.0 J B	22.3 J	50.3 J B	<15.1	50.3	44.7
B-69	12	08/08/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	27.1 J B	24.6 J	51.7 J B	<15.1	51.7	233
B-70	12	08/08/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	22.8 J B	23.4 J	46.2 J B	<15.1	46.2 J	136
B-71	3	07/25/25	In-Situ	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	<14.5	<15.1	<15.1	<15.1	<15.1	68.9
B-72	14	08/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	18.7 J B	22.5 J	41.2 J B	<15.1	41.2 J	197
B-73	14	08/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	20.8 J	20.8 J	<15.1	20.8 J	209
B-74	14	08/08/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	26.8 J B	23.0 J	49.8 J B	<15.1	49.8 J	193
B-75	8	08/08/25	In-Situ	<0.00139 F1	<0.00200 F1	<0.00109 F1	<0.00229 F1	<0.00229	19.1 J B	23.1 J	42.2 J B	<15.1	42.2 J	203

Table 1
Soil Analytical Results
Chevron Environmental Management Company
Lovington Deep State
Lea County, NM



Sample I.D.	Sample Depth (feet bgs)	Date	Soil Status	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH-GRO	TPH-DRO	TPH GRO + DRO	TPH MRO	Total TPH	Chloride	
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
				NMAC Standards											10
Restoration Requirements			10	--	--	--	50	--	--	--	--	100	600		
B-76	3	07/25/25	In-Situ	<0.00138	<0.00199	0.00142 J	<0.00227	<0.00227	<14.5	<15.1	<15.1	<15.1	<15.1	429	
B-77	7	08/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	<14.5	24.3 J	24.3 J	<15.1	24.3 J	243	
B-78	7	08/08/25	In-Situ	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	20.7 J B	22.1 J	42.8 J B	<15.1	42.8 J	41.8	
B-79	7	08/08/25	In-Situ	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	21.3 J B	23.3 J	44.6 J B	<15.1	44.6 J	44.0	
B-80	7	08/08/25	In-Situ	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	19.5 J B	22.2 J	41.7 J B	<15.1	41.7 J	44.7	
B-81	7	08/08/25	In-Situ	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	25.9 J	25.9 J	<15.1	25.9 J	64.5	
B-82	7	07/28/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	<14.5	<15.1	<15.1	<15.1	<15.1	111	
B-83	7	08/08/25	In-Situ	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	34.4 J B	23.3 J	57.7 J B	<15.1	57.7	298	
B-84	16	08/11/25	In-Situ	<0.00138	<0.00199	0.00186 J	<0.00227	<0.00227	<14.5	<15.1	<15.1	27.0 J B	27.0 J	125	
B-85	16	08/11/25	In-Situ	<0.00139	<0.00200	0.00165 J	<0.00229	<0.00229	<14.5	<15.1	<15.1	25.8 J B	25.8 J	75.2	
B-86	18	08/11/25	In-Situ	<0.00138	<0.00198	0.00160 J	<0.00227	<0.00227	<14.5	<15.1	<15.1	24.9 J B	24.9 J	105	
B-87	22	08/11/25	In-Situ	<0.00138	<0.00198	0.00162 J	<0.00226	<0.00226	<14.5	<15.1	<15.1	23.5 J B	23.5 J	120	
B-88	18	08/11/25	In-Situ	<0.00140	<0.00201	0.00193 J	<0.00229	<0.00229	<14.5	<15.1	<15.1	26.1 J B	26.1 J	127	
Backfill	--	3/28/2025	--	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	<14.5	<15.1	<15.1	<15.1	<15.1	529	

Legend:

BOLD = Analytes exceeding Restoration Requirement

--: Not available/not applicable

BGS: Below Ground Surface

B: Compound was found in the blank and sample.

F1: Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits.

J: Result is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value.

'<' 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. Criteria based off of depth to groundwater of 51-100 feet.

TPH GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

TPH MRO: Total Petroleum Hydrocarbons Motor Oil Range Organics

TPH DRO: Total Petroleum Hydrocarbon Diesel Range Organics

Total TPH: GRO + DRO + MRO

*Revised screening limit and restoration criteria within the first 4 feet below ground surface per Rule 19.15.29 effective August 14, 2018

Notes:

1. Chloride analyzed by United States Environmental Protection Agency (USEPA) Method 300.0

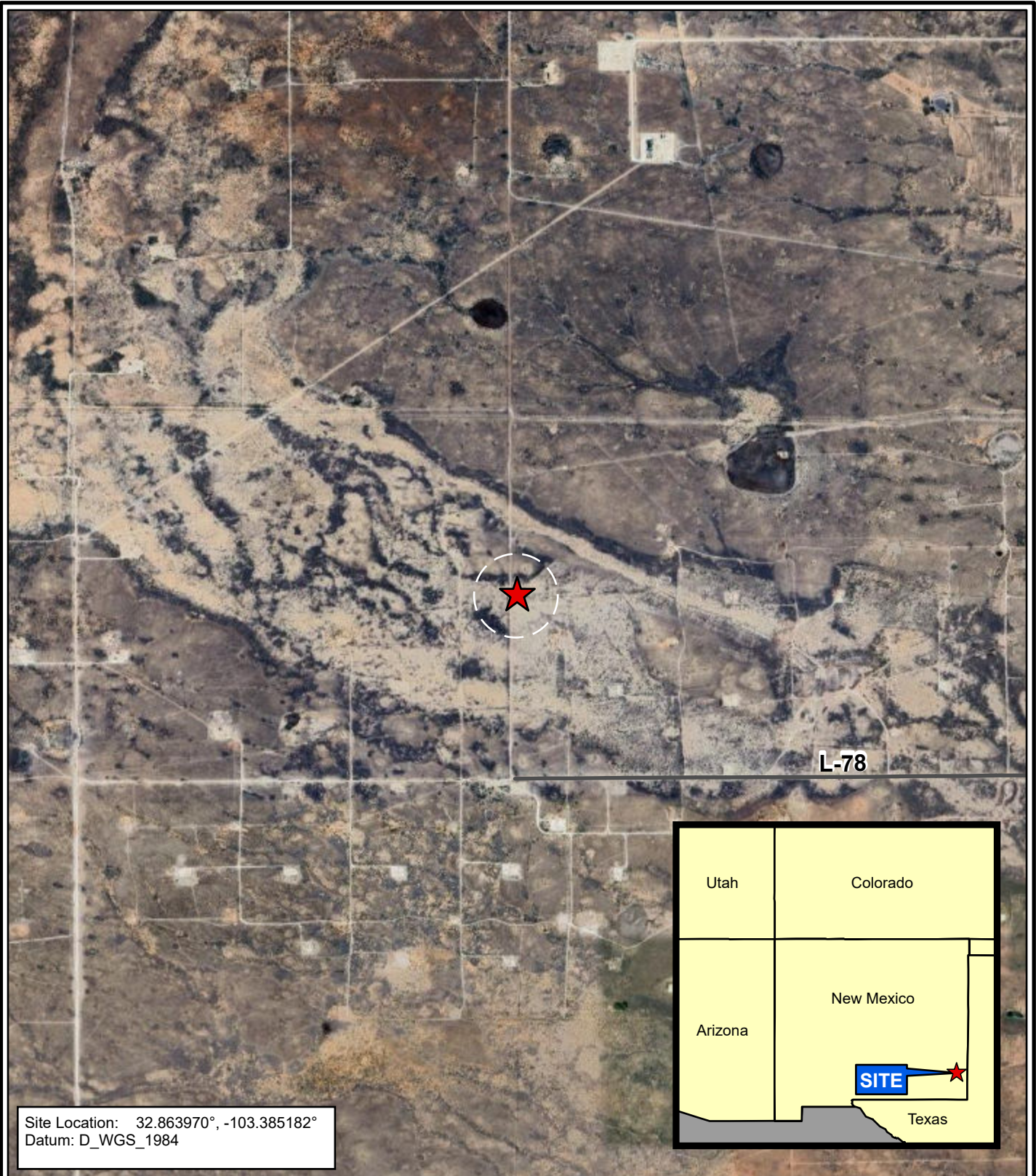
2. TPH analyzed by USEPA Method SW846 8015B NM

3. BTEX analyzed by USEPA Method SW846 8021B

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

Figures

City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: yadavs0264 : Client (Project #)
T:\ENVU\Upstream\WLU 86\Pro\WLU 86.aprx 8/20/2025 1:16 PM



Site Location: 32.863970°, -103.385182°
Datum: D_WGS_1984



Legend

 Site Location

Credits: ESRI Online, Google Earth



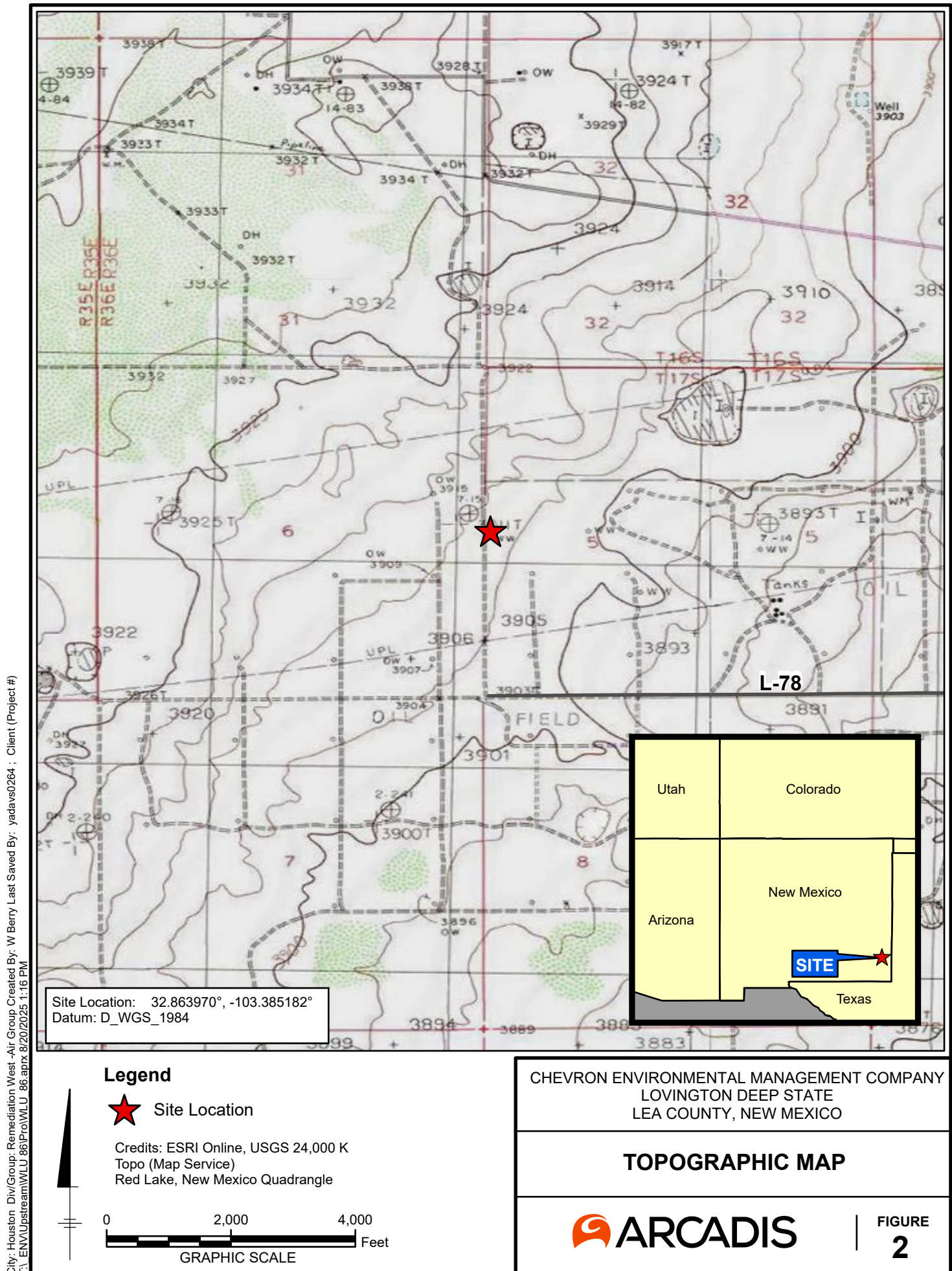
0 2,000 4,000
Feet
GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
LOVINGTON DEEP STATE
LEA COUNTY, NEW MEXICO

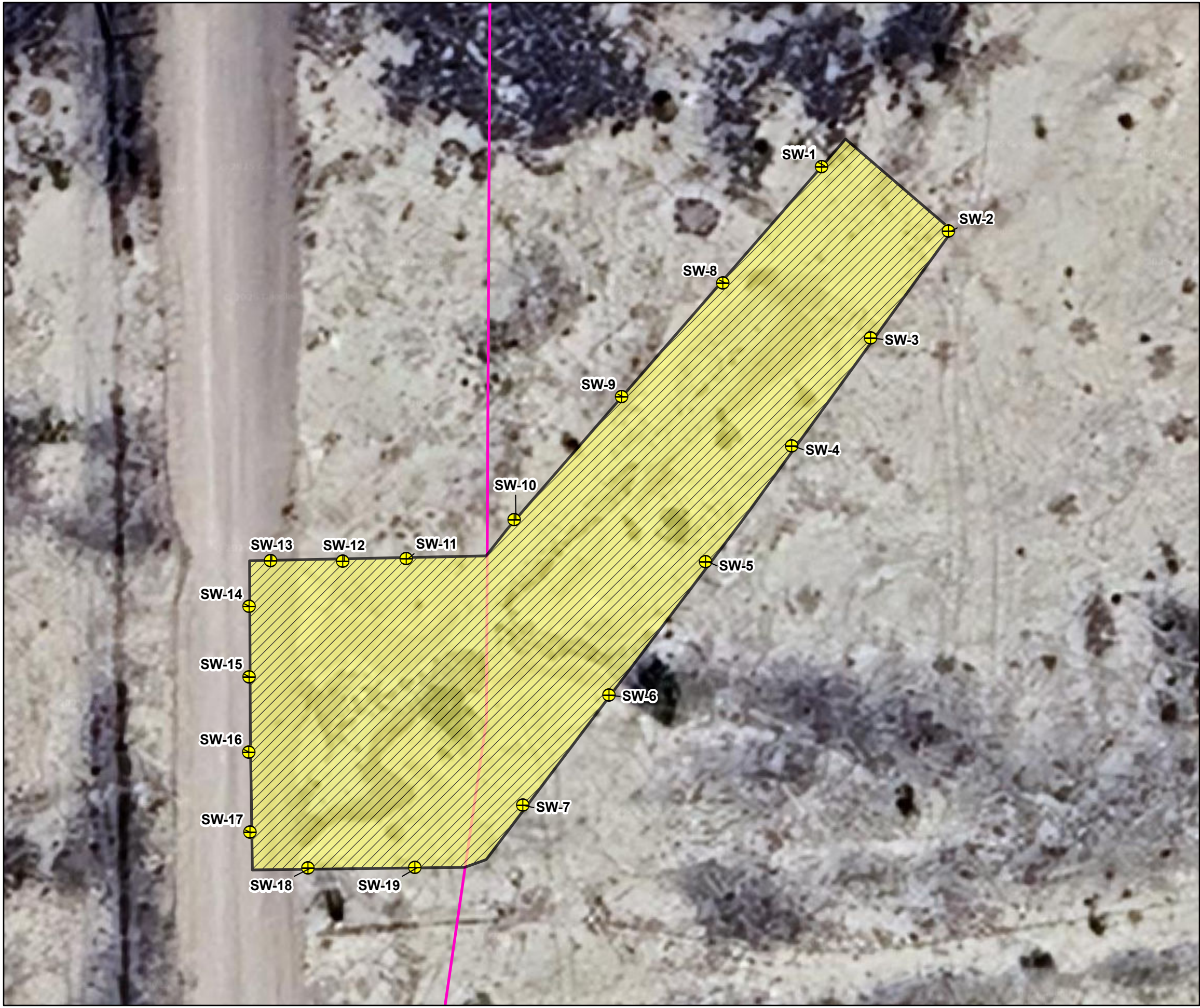
SITE LOCATION MAP



FIGURE
1

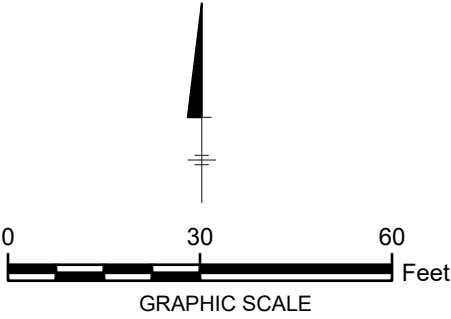


City: Houston Div/Group: Remediation West -Air Group Created By: W Berry Last Saved By: yadavs0264 ; Client (Project #)
T:_ENV\Upstream\WLU 86\Pro\WLU_86.aprx 8/21/2025 11:36 AM



LEGEND:

- ⊕ Sidewall Soil Sample Location
- Lea Midstream Gas Pipeline
- ▨ Excavated Area



Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.863970°, -103.385182°

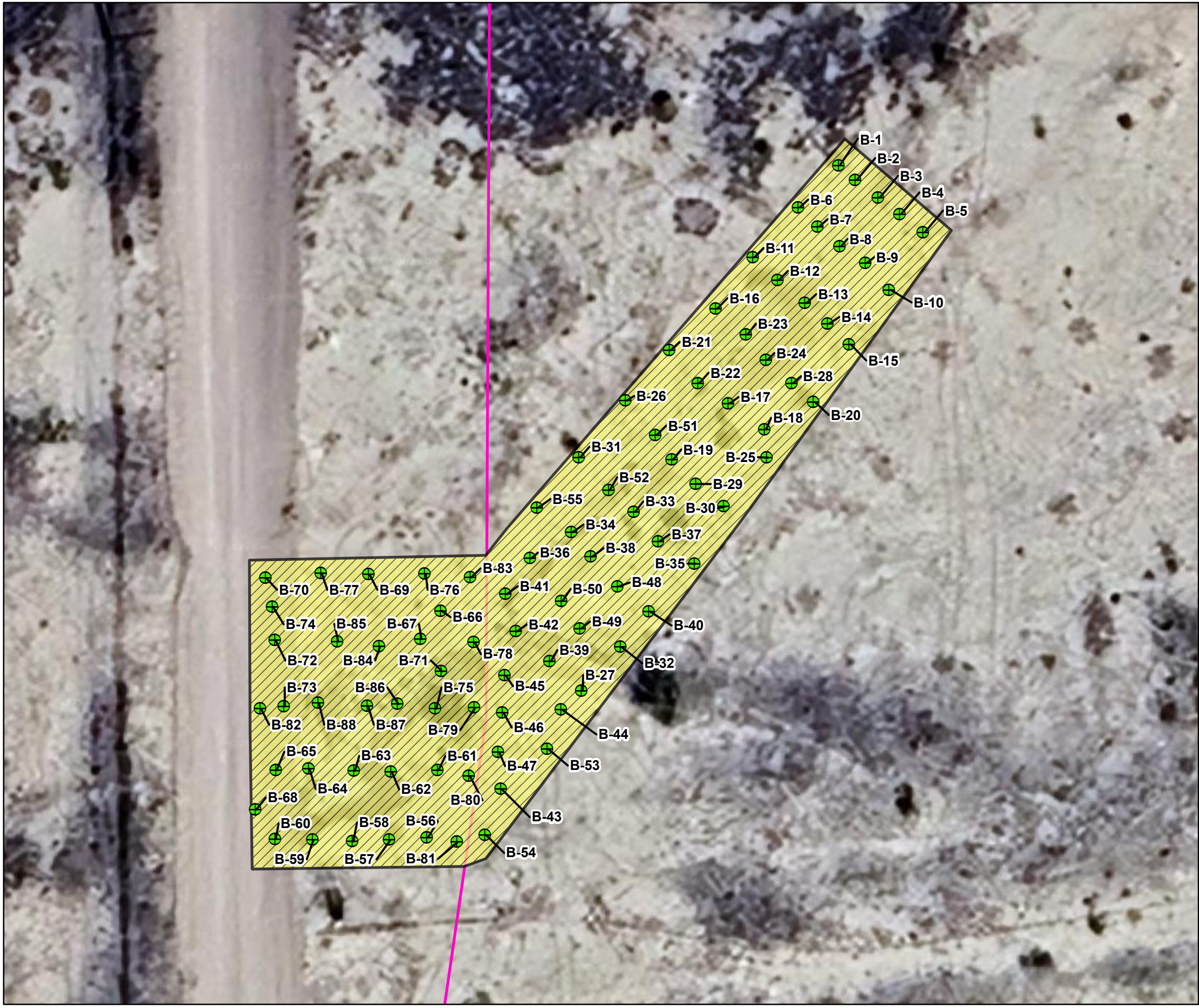
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
LOVINGTON DEEP STATE
LEA COUNTY, NEW MEXICO

**EXCAVATION SIDEWALL
SOIL SAMPLE LOCATIONS**



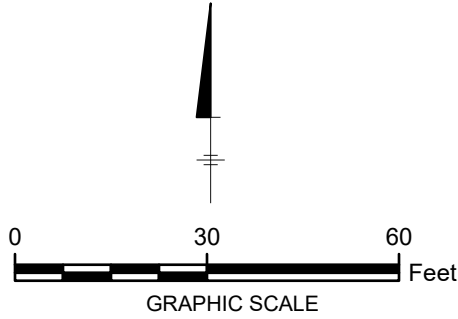
FIGURE
3

City: Houston Div/Group: Remediation West-Air Group Created By: W Berry Last Saved By: yadavs0264 ; Client (Project #)
T:_ENV\Upstream\WLU 86\ProWLU_86.aprx 8/21/2025 11:42 AM



LEGEND:

- Base Soil Sample Location
- Lea Midstream Gas Pipeline
- ▨ Excavated Area



Datum: D_WGS_1984
Source: ESRI Online, Google Earth
Site Location: 32.863970°, -103.385182°

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
LOVINGTON DEEP STATE
LEA COUNTY, NEW MEXICO

**EXCAVATION BASE
SOIL SAMPLE LOCATIONS**



FIGURE
4

Appendix A

NMSLO Cultural Resources Cover Sheet



NMSLO Cultural Resources Cover Sheet

Survey Complete Form

To: Cultural Resources Office, New Mexico State Land Office, Santa Fe, New Mexico

Re: Proposed "WLU 86" project

Notification of Intent to Survey ID: N-20240117-001014

Cultural Resource Survey

NMCRIS Activity No.: 155236

Findings: Negative

Have avoidance and protection Measures been devised? Yes

Comments:

Submitted on: 9/16/2024 at 10:03 AM MDT

Proposed Project Details

Permitted Cultural Consultant Name: Arcadis

Permitted Cultural ConsultantPhone Number:	Permitted Cultural Consultant Email Address:
(512) 775 - 2620	robin.barnes@arcadis.com

Chevron has contracted Arcadis to conduct a cultural resources survey for a proposed project "WLU 86" located on New Mexico State Trust Lands in 17S 36E 05 and 06 in Lea. The survey is estimated to begin on 02/12/2024. The total acreage of the proposed project area is 2.82. The Lead Agency for this project is SLO.

NMSLO Administrative Use Only:

NMSLO Lease Number: _____

Lease Analyst: _____

Appendix B

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
98 San Jacinto Blvd.
Suite 414
Austin, Texas 78701

Generated 8/14/2025 11:54:00 AM

JOB DESCRIPTION

WLU 86
Lea County NM

JOB NUMBER

890-8615-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/14/2025 11:54:00 AM

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

Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 890-8615-1
SDG: Lea County NM

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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
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: WLU 86

Job ID: 890-8615-1

Job ID: 890-8615-1

Eurofins Carlsbad

Job Narrative 890-8615-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/11/2025 11:39 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 -1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-11-0-14 (890-8615-1), SW-12-0-14 (890-8615-2), SW-13-0-12 (890-8615-3), SW-14-0-14 (890-8615-4), SW-15-0-14 (890-8615-5), SW-16-0-8 (890-8615-6), SW-17-0-8 (890-8615-7), SW-18-0-5 (890-8615-8), SW-19-0-4 (890-8615-9), B-68-8 (890-8615-10), B-69-12 (890-8615-11), B-70-12 (890-8615-12), B-75-8 (890-8615-13), B-77-14 (890-8615-14), B-72-14 (890-8615-15), B-73-14 (890-8615-16), B-74-14 (890-8615-17), B-78-7 (890-8615-18), B-79-7 (890-8615-19), B-80-7 (890-8615-20), B-81-7 (890-8615-21) and B-83-7 (890-8615-22).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: B-81-7 (890-8615-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-116392 and analytical batch 880-116439 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: The surrogate recovery for the blank associated with preparation batch 880-116417 and analytical batch 880-116606 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-11-0-14 (890-8615-1) and SW-12-0-14 (890-8615-2). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-116606 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-116606/19).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-116418/3-A) and (MB 880-116418/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-116418 and analytical batch 880-116606 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: The matrix spike (MS) recoveries for preparation batch 880-116418 and analytical batch 880-116606 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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Case Narrative

Client: Arcadis US Inc.
Project: WLU 86

Job ID: 890-8615-1

Job ID: 890-8615-1 (Continued)

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Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-116606 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-116606/57).

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

HPLC/IC

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

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-11-0-14

Lab Sample ID: 890-8615-1

Date Collected: 08/07/25 09:00

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 12:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 10:00	08/12/25 12:45	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 10:00	08/12/25 12:45	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		08/12/25 10:00	08/12/25 12:45	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 10:00	08/12/25 12:45	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		08/12/25 10:00	08/12/25 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/12/25 10:00	08/12/25 12:45	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/12/25 10:00	08/12/25 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			08/12/25 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	65.9		49.8	15.1	mg/Kg			08/13/25 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.7	J	49.8	14.5	mg/Kg		08/11/25 15:20	08/13/25 18:45	1
Diesel Range Organics (Over C10-C28)	26.2	J	49.8	15.1	mg/Kg		08/11/25 15:20	08/13/25 18:45	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		08/11/25 15:20	08/13/25 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	08/11/25 15:20	08/13/25 18:45	1
o-Terphenyl	153	S1+	70 - 130	08/11/25 15:20	08/13/25 18:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		10.0	0.396	mg/Kg			08/13/25 22:22	1

Client Sample ID: SW-12-0-14

Lab Sample ID: 890-8615-2

Date Collected: 08/07/25 09:10

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 13:25	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/12/25 10:00	08/12/25 13:25	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		08/12/25 10:00	08/12/25 13:25	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 10:00	08/12/25 13:25	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		08/12/25 10:00	08/12/25 13:25	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 10:00	08/12/25 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/12/25 10:00	08/12/25 13:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/12/25 10:00	08/12/25 13:25	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-12-0-14

Lab Sample ID: 890-8615-2

Date Collected: 08/07/25 09:10

Matrix: Solid

Date Received: 08/11/25 11:39

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			08/12/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.7		50.0	15.1	mg/Kg			08/13/25 19:06	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	43.0	J	50.0	14.5	mg/Kg		08/11/25 15:20	08/13/25 19:06	1
Diesel Range Organics (Over C10-C28)	25.7	J	50.0	15.1	mg/Kg		08/11/25 15:20	08/13/25 19:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/11/25 15:20	08/13/25 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				08/11/25 15:20	08/13/25 19:06	1
o-Terphenyl	148	S1+	70 - 130				08/11/25 15:20	08/13/25 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326		9.98	0.394	mg/Kg			08/13/25 22:39	1

Client Sample ID: SW-13-0-12

Lab Sample ID: 890-8615-3

Date Collected: 08/07/25 09:20

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 13:45	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/12/25 10:00	08/12/25 13:45	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		08/12/25 10:00	08/12/25 13:45	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		08/12/25 10:00	08/12/25 13:45	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		08/12/25 10:00	08/12/25 13:45	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		08/12/25 10:00	08/12/25 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/12/25 10:00	08/12/25 13:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/12/25 10:00	08/12/25 13:45	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			08/12/25 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	47.7	J	50.0	15.1	mg/Kg			08/13/25 20:28	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	23.4	J B F1	50.0	14.5	mg/Kg		08/12/25 08:00	08/13/25 20:28	1
Diesel Range Organics (Over C10-C28)	24.3	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 20:28	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-13-0-12

Lab Sample ID: 890-8615-3

Date Collected: 08/07/25 09:20

Matrix: Solid

Date Received: 08/11/25 11:39

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	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/12/25 08:00	08/13/25 20:28	1
o-Terphenyl	98		70 - 130				08/12/25 08:00	08/13/25 20:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		10.1	0.399	mg/Kg			08/13/25 22:45	1

Client Sample ID: SW-14-0-14

Lab Sample ID: 890-8615-4

Date Collected: 08/07/25 09:30

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 14:05	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/12/25 10:00	08/12/25 14:05	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		08/12/25 10:00	08/12/25 14:05	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 10:00	08/12/25 14:05	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		08/12/25 10:00	08/12/25 14:05	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 10:00	08/12/25 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/12/25 10:00	08/12/25 14:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/12/25 10:00	08/12/25 14:05	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	0.00398	0.00227	mg/Kg			08/12/25 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	66.6		50.0	15.1	mg/Kg			08/13/25 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	44.3	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/13/25 21:29	1
Diesel Range Organics (Over C10-C28)	22.3	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 21:29	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/12/25 08:00	08/13/25 21:29	1
o-Terphenyl	111		70 - 130				08/12/25 08:00	08/13/25 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.41	J	10.0	0.396	mg/Kg			08/13/25 22:50	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-15-0-14

Lab Sample ID: 890-8615-5

Date Collected: 08/07/25 09:40

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 14:26	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/12/25 10:00	08/12/25 14:26	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/12/25 10:00	08/12/25 14:26	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 10:00	08/12/25 14:26	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		08/12/25 10:00	08/12/25 14:26	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 10:00	08/12/25 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/12/25 10:00	08/12/25 14:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/12/25 10:00	08/12/25 14:26	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			08/12/25 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.6	J	50.0	15.1	mg/Kg			08/13/25 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/12/25 08:00	08/13/25 21:50	1
Diesel Range Organics (Over C10-C28)	26.6	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 21:50	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/12/25 08:00	08/13/25 21:50	1
o-Terphenyl	118		70 - 130	08/12/25 08:00	08/13/25 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.83	J	9.98	0.394	mg/Kg			08/13/25 22:56	1

Client Sample ID: SW-16-0-8

Lab Sample ID: 890-8615-6

Date Collected: 08/07/25 09:50

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 14:46	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/12/25 10:00	08/12/25 14:46	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		08/12/25 10:00	08/12/25 14:46	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		08/12/25 10:00	08/12/25 14:46	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		08/12/25 10:00	08/12/25 14:46	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		08/12/25 10:00	08/12/25 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/12/25 10:00	08/12/25 14:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/12/25 10:00	08/12/25 14:46	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-16-0-8

Lab Sample ID: 890-8615-6

Date Collected: 08/07/25 09:50

Matrix: Solid

Date Received: 08/11/25 11:39

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			08/12/25 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	48.7	J	49.8	15.1	mg/Kg			08/13/25 22:10	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	25.0	J B	49.8	14.5	mg/Kg		08/12/25 08:00	08/13/25 22:10	1
Diesel Range Organics (Over C10-C28)	23.7	J	49.8	15.1	mg/Kg		08/12/25 08:00	08/13/25 22:10	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		08/12/25 08:00	08/13/25 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/12/25 08:00	08/13/25 22:10	1
o-Terphenyl	115		70 - 130				08/12/25 08:00	08/13/25 22:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.4		10.1	0.399	mg/Kg			08/13/25 23:13	1

Client Sample ID: SW-17-0-8

Lab Sample ID: 890-8615-7

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 15:07	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/12/25 10:00	08/12/25 15:07	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		08/12/25 10:00	08/12/25 15:07	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		08/12/25 10:00	08/12/25 15:07	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		08/12/25 10:00	08/12/25 15:07	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		08/12/25 10:00	08/12/25 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/12/25 10:00	08/12/25 15:07	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/12/25 10:00	08/12/25 15:07	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			08/12/25 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.8	J	50.0	15.1	mg/Kg			08/13/25 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	16.7	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/13/25 22:31	1
Diesel Range Organics (Over C10-C28)	26.1	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 22:31	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-17-0-8

Lab Sample ID: 890-8615-7

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/11/25 11:39

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	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/12/25 08:00	08/13/25 22:31	1
o-Terphenyl	118		70 - 130				08/12/25 08:00	08/13/25 22:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.8		10.1	0.397	mg/Kg			08/13/25 23:19	1

Client Sample ID: SW-18-0-5

Lab Sample ID: 890-8615-8

Date Collected: 08/07/25 10:10

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 15:27	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/12/25 10:00	08/12/25 15:27	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		08/12/25 10:00	08/12/25 15:27	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 10:00	08/12/25 15:27	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		08/12/25 10:00	08/12/25 15:27	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 10:00	08/12/25 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/12/25 10:00	08/12/25 15:27	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/12/25 10:00	08/12/25 15:27	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			08/12/25 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.3		50.0	15.1	mg/Kg			08/13/25 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	30.8	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/13/25 22:51	1
Diesel Range Organics (Over C10-C28)	22.5	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 22:51	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/12/25 08:00	08/13/25 22:51	1
o-Terphenyl	118		70 - 130				08/12/25 08:00	08/13/25 22:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3		9.90	0.391	mg/Kg			08/13/25 23:24	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-19-0-4

Lab Sample ID: 890-8615-9

Date Collected: 08/07/25 10:20

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 15:48	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 10:00	08/12/25 15:48	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 10:00	08/12/25 15:48	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 10:00	08/12/25 15:48	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 10:00	08/12/25 15:48	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 10:00	08/12/25 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 10:00	08/12/25 15:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/12/25 10:00	08/12/25 15:48	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			08/12/25 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.0	J	49.9	15.1	mg/Kg			08/13/25 23:11	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	22.6	J B	49.9	14.5	mg/Kg		08/12/25 08:00	08/13/25 23:11	1
Diesel Range Organics (Over C10-C28)	23.4	J	49.9	15.1	mg/Kg		08/12/25 08:00	08/13/25 23:11	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		08/12/25 08:00	08/13/25 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	08/12/25 08:00	08/13/25 23:11	1
o-Terphenyl	110		70 - 130	08/12/25 08:00	08/13/25 23:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.0		10.1	0.397	mg/Kg			08/13/25 23:30	1

Client Sample ID: B-68-8

Lab Sample ID: 890-8615-10

Date Collected: 08/07/25 09:48

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 16:08	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/12/25 10:00	08/12/25 16:08	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/12/25 10:00	08/12/25 16:08	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		08/12/25 10:00	08/12/25 16:08	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		08/12/25 10:00	08/12/25 16:08	1
Xylenes, Total	<0.00227	U	0.00397	0.00227	mg/Kg		08/12/25 10:00	08/12/25 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 10:00	08/12/25 16:08	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/12/25 10:00	08/12/25 16:08	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-68-8

Lab Sample ID: 890-8615-10

Date Collected: 08/07/25 09:48

Matrix: Solid

Date Received: 08/11/25 11:39

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			08/12/25 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.3		50.0	15.1	mg/Kg			08/13/25 23:32	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	28.0	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/13/25 23:32	1
Diesel Range Organics (Over C10-C28)	22.3	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 23:32	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/13/25 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/12/25 08:00	08/13/25 23:32	1
o-Terphenyl	111		70 - 130				08/12/25 08:00	08/13/25 23:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.7		10.1	0.399	mg/Kg			08/13/25 23:36	1

Client Sample ID: B-69-12

Lab Sample ID: 890-8615-11

Date Collected: 08/08/25 10:30

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 17:42	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/12/25 10:00	08/12/25 17:42	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/12/25 10:00	08/12/25 17:42	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 10:00	08/12/25 17:42	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		08/12/25 10:00	08/12/25 17:42	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 10:00	08/12/25 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/12/25 10:00	08/12/25 17:42	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/12/25 10:00	08/12/25 17:42	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			08/12/25 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.7		49.9	15.1	mg/Kg			08/13/25 23:52	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	27.1	J B	49.9	14.5	mg/Kg		08/12/25 08:00	08/13/25 23:52	1
Diesel Range Organics (Over C10-C28)	24.6	J	49.9	15.1	mg/Kg		08/12/25 08:00	08/13/25 23:52	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-69-12

Lab Sample ID: 890-8615-11

Date Collected: 08/08/25 10:30

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 08:00	08/13/25 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/12/25 08:00	08/13/25 23:52	1
o-Terphenyl	122		70 - 130				08/12/25 08:00	08/13/25 23:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		10.1	0.399	mg/Kg			08/13/25 23:41	1

Client Sample ID: B-70-12

Lab Sample ID: 890-8615-12

Date Collected: 08/08/25 10:40

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 10:00	08/12/25 18:03	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/12/25 10:00	08/12/25 18:03	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		08/12/25 10:00	08/12/25 18:03	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 10:00	08/12/25 18:03	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		08/12/25 10:00	08/12/25 18:03	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 10:00	08/12/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/12/25 10:00	08/12/25 18:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/12/25 10:00	08/12/25 18:03	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			08/12/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.2	J	50.0	15.1	mg/Kg			08/14/25 00:13	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	22.8	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/14/25 00:13	1
Diesel Range Organics (Over C10-C28)	23.4	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 00:13	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/12/25 08:00	08/14/25 00:13	1
o-Terphenyl	108		70 - 130				08/12/25 08:00	08/14/25 00:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		9.92	0.392	mg/Kg			08/13/25 23:58	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-75-8

Lab Sample ID: 890-8615-13

Date Collected: 08/07/25 13:20

Matrix: Solid

Date Received: 08/11/25 11:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U F1	0.00200	0.00139	mg/Kg		08/12/25 15:00	08/13/25 00:01	1
Toluene	<0.00200	U F1	0.00200	0.00200	mg/Kg		08/12/25 15:00	08/13/25 00:01	1
Ethylbenzene	<0.00109	U F1	0.00200	0.00109	mg/Kg		08/12/25 15:00	08/13/25 00:01	1
m-Xylene & p-Xylene	<0.00229	U F1	0.00400	0.00229	mg/Kg		08/12/25 15:00	08/13/25 00:01	1
o-Xylene	<0.00158	U F1	0.00200	0.00158	mg/Kg		08/12/25 15:00	08/13/25 00:01	1
Xylenes, Total	<0.00229	U F1	0.00400	0.00229	mg/Kg		08/12/25 15:00	08/13/25 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/12/25 15:00	08/13/25 00:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/12/25 15:00	08/13/25 00:01	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			08/13/25 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.2	J	49.8	15.1	mg/Kg			08/14/25 00:54	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	19.1	J B	49.8	14.5	mg/Kg		08/12/25 08:00	08/14/25 00:54	1
Diesel Range Organics (Over C10-C28)	23.1	J	49.8	15.1	mg/Kg		08/12/25 08:00	08/14/25 00:54	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		08/12/25 08:00	08/14/25 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/12/25 08:00	08/14/25 00:54	1
o-Terphenyl	113		70 - 130	08/12/25 08:00	08/14/25 00:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		10.1	0.399	mg/Kg			08/14/25 00:04	1

Client Sample ID: B-77-14

Lab Sample ID: 890-8615-14

Date Collected: 08/08/25 13:00

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 15:00	08/13/25 00:21	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 15:00	08/13/25 00:21	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 15:00	08/13/25 00:21	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 15:00	08/13/25 00:21	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 15:00	08/13/25 00:21	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 15:00	08/13/25 00:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 15:00	08/13/25 00:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/12/25 15:00	08/13/25 00:21	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-77-14

Lab Sample ID: 890-8615-14

Date Collected: 08/08/25 13:00

Matrix: Solid

Date Received: 08/11/25 11:39

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			08/13/25 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.3	J	49.9	15.1	mg/Kg			08/14/25 01:15	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	49.9	14.5	mg/Kg		08/12/25 08:00	08/14/25 01:15	1
Diesel Range Organics (Over C10-C28)	24.3	J	49.9	15.1	mg/Kg		08/12/25 08:00	08/14/25 01:15	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		08/12/25 08:00	08/14/25 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/12/25 08:00	08/14/25 01:15	1
o-Terphenyl	117		70 - 130				08/12/25 08:00	08/14/25 01:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	243		10.1	0.397	mg/Kg			08/14/25 00:21	1

Client Sample ID: B-72-14

Lab Sample ID: 890-8615-15

Date Collected: 08/08/25 13:10

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 15:00	08/13/25 00:41	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 15:00	08/13/25 00:41	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 15:00	08/13/25 00:41	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 15:00	08/13/25 00:41	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 15:00	08/13/25 00:41	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 15:00	08/13/25 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/12/25 15:00	08/13/25 00:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/12/25 15:00	08/13/25 00:41	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			08/13/25 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	41.2	J	49.8	15.1	mg/Kg			08/14/25 01:35	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	18.7	J B	49.8	14.5	mg/Kg		08/12/25 08:00	08/14/25 01:35	1
Diesel Range Organics (Over C10-C28)	22.5	J	49.8	15.1	mg/Kg		08/12/25 08:00	08/14/25 01:35	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-72-14

Lab Sample ID: 890-8615-15

Date Collected: 08/08/25 13:10

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 08:00	08/14/25 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/12/25 08:00	08/14/25 01:35	1
o-Terphenyl	113		70 - 130				08/12/25 08:00	08/14/25 01:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		9.98	0.394	mg/Kg			08/14/25 00:27	1

Client Sample ID: B-73-14

Lab Sample ID: 890-8615-16

Date Collected: 08/08/25 13:20

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 15:00	08/13/25 01:02	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 15:00	08/13/25 01:02	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 15:00	08/13/25 01:02	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		08/12/25 15:00	08/13/25 01:02	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 15:00	08/13/25 01:02	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		08/12/25 15:00	08/13/25 01:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/12/25 15:00	08/13/25 01:02	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/12/25 15:00	08/13/25 01:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			08/13/25 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.8	J	50.0	15.1	mg/Kg			08/14/25 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/12/25 08:00	08/14/25 01:56	1
Diesel Range Organics (Over C10-C28)	20.8	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 01:56	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/12/25 08:00	08/14/25 01:56	1
o-Terphenyl	121		70 - 130				08/12/25 08:00	08/14/25 01:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		10.1	0.399	mg/Kg			08/14/25 00:32	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-74-14

Lab Sample ID: 890-8615-17

Date Collected: 08/08/25 13:30

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 15:00	08/13/25 01:22	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/12/25 15:00	08/13/25 01:22	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		08/12/25 15:00	08/13/25 01:22	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 15:00	08/13/25 01:22	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		08/12/25 15:00	08/13/25 01:22	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 15:00	08/13/25 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 15:00	08/13/25 01:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/12/25 15:00	08/13/25 01:22	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			08/13/25 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.8	J	49.9	15.1	mg/Kg			08/14/25 02:17	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	26.8	J B	49.9	14.5	mg/Kg		08/12/25 08:00	08/14/25 02:17	1
Diesel Range Organics (Over C10-C28)	23.0	J	49.9	15.1	mg/Kg		08/12/25 08:00	08/14/25 02:17	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		08/12/25 08:00	08/14/25 02:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	08/12/25 08:00	08/14/25 02:17	1
o-Terphenyl	117		70 - 130	08/12/25 08:00	08/14/25 02:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		10.1	0.399	mg/Kg			08/14/25 00:38	1

Client Sample ID: B-78-7

Lab Sample ID: 890-8615-18

Date Collected: 08/08/25 14:00

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 15:00	08/13/25 01:43	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/12/25 15:00	08/13/25 01:43	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		08/12/25 15:00	08/13/25 01:43	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		08/12/25 15:00	08/13/25 01:43	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		08/12/25 15:00	08/13/25 01:43	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		08/12/25 15:00	08/13/25 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/12/25 15:00	08/13/25 01:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/12/25 15:00	08/13/25 01:43	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-78-7

Lab Sample ID: 890-8615-18

Date Collected: 08/08/25 14:00

Matrix: Solid

Date Received: 08/11/25 11:39

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			08/13/25 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.8	J	50.0	15.1	mg/Kg			08/14/25 02:37	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	20.7	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/14/25 02:37	1
Diesel Range Organics (Over C10-C28)	22.1	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 02:37	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 02:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/12/25 08:00	08/14/25 02:37	1
o-Terphenyl	111		70 - 130				08/12/25 08:00	08/14/25 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.8		9.90	0.391	mg/Kg			08/14/25 00:44	1

Client Sample ID: B-79-7

Lab Sample ID: 890-8615-19

Date Collected: 08/08/25 14:10

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 19:00	08/13/25 02:03	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/12/25 19:00	08/13/25 02:03	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		08/12/25 19:00	08/13/25 02:03	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 19:00	08/13/25 02:03	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		08/12/25 19:00	08/13/25 02:03	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 19:00	08/13/25 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/12/25 19:00	08/13/25 02:03	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/12/25 19:00	08/13/25 02:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			08/13/25 02:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	44.6	J	49.9	15.1	mg/Kg			08/14/25 02:57	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	21.3	J B	49.9	14.5	mg/Kg		08/12/25 08:00	08/14/25 02:57	1
Diesel Range Organics (Over C10-C28)	23.3	J	49.9	15.1	mg/Kg		08/12/25 08:00	08/14/25 02:57	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-79-7

Lab Sample ID: 890-8615-19

Date Collected: 08/08/25 14:10

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 08:00	08/14/25 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/12/25 08:00	08/14/25 02:57	1
o-Terphenyl	120		70 - 130				08/12/25 08:00	08/14/25 02:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.0		10.1	0.398	mg/Kg			08/14/25 00:49	1

Client Sample ID: B-80-7

Lab Sample ID: 890-8615-20

Date Collected: 08/08/25 14:20

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 15:00	08/13/25 02:24	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/12/25 15:00	08/13/25 02:24	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/12/25 15:00	08/13/25 02:24	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 15:00	08/13/25 02:24	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		08/12/25 15:00	08/13/25 02:24	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 15:00	08/13/25 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/12/25 15:00	08/13/25 02:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/12/25 15:00	08/13/25 02:24	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			08/13/25 02:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	41.7	J	50.0	15.1	mg/Kg			08/14/25 03:18	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	19.5	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/14/25 03:18	1
Diesel Range Organics (Over C10-C28)	22.2	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 03:18	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/12/25 08:00	08/14/25 03:18	1
o-Terphenyl	112		70 - 130				08/12/25 08:00	08/14/25 03:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.7		10.1	0.397	mg/Kg			08/14/25 00:55	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-81-7

Lab Sample ID: 890-8615-21

Date Collected: 08/08/25 14:30

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 11:26	08/12/25 14:50	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 11:26	08/12/25 14:50	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 11:26	08/12/25 14:50	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		08/12/25 11:26	08/12/25 14:50	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 11:26	08/12/25 14:50	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		08/12/25 11:26	08/12/25 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/12/25 11:26	08/12/25 14:50	1
1,4-Difluorobenzene (Surr)	30	S1-	70 - 130	08/12/25 11:26	08/12/25 14:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			08/12/25 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	25.9	J	49.8	15.1	mg/Kg			08/14/25 03:38	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	<14.5	U	49.8	14.5	mg/Kg		08/12/25 08:00	08/14/25 03:38	1
Diesel Range Organics (Over C10-C28)	25.9	J	49.8	15.1	mg/Kg		08/12/25 08:00	08/14/25 03:38	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		08/12/25 08:00	08/14/25 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	08/12/25 08:00	08/14/25 03:38	1
o-Terphenyl	126		70 - 130	08/12/25 08:00	08/14/25 03:38	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	0.397	mg/Kg			08/14/25 00:29	1

Client Sample ID: B-83-7

Lab Sample ID: 890-8615-22

Date Collected: 08/08/25 14:40

Matrix: Solid

Date Received: 08/11/25 11:39

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		08/12/25 11:26	08/12/25 15:12	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/12/25 11:26	08/12/25 15:12	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		08/12/25 11:26	08/12/25 15:12	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 11:26	08/12/25 15:12	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		08/12/25 11:26	08/12/25 15:12	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 11:26	08/12/25 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/12/25 11:26	08/12/25 15:12	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/12/25 11:26	08/12/25 15:12	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-83-7

Lab Sample ID: 890-8615-22

Date Collected: 08/08/25 14:40

Matrix: Solid

Date Received: 08/11/25 11:39

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			08/12/25 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.7		50.0	15.1	mg/Kg			08/14/25 03:59	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	34.4	J B	50.0	14.5	mg/Kg		08/12/25 08:00	08/14/25 03:59	1
Diesel Range Organics (Over C10-C28)	23.3	J	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 03:59	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/12/25 08:00	08/14/25 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/12/25 08:00	08/14/25 03:59	1
o-Terphenyl	127		70 - 130				08/12/25 08:00	08/14/25 03:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		10.1	0.398	mg/Kg			08/14/25 00:37	1

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea 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)
890-8615-1	SW-11-0-14	115	95
890-8615-1 MS	SW-11-0-14	103	101
890-8615-1 MSD	SW-11-0-14	105	99
890-8615-2	SW-12-0-14	115	97
890-8615-3	SW-13-0-12	105	91
890-8615-4	SW-14-0-14	105	96
890-8615-5	SW-15-0-14	104	95
890-8615-6	SW-16-0-8	101	94
890-8615-7	SW-17-0-8	106	96
890-8615-8	SW-18-0-5	105	95
890-8615-9	SW-19-0-4	105	96
890-8615-10	B-68-8	105	96
890-8615-11	B-69-12	114	98
890-8615-12	B-70-12	102	95
890-8615-13	B-75-8	108	97
890-8615-13 MS	B-75-8	99	98
890-8615-13 MSD	B-75-8	108	98
890-8615-14	B-77-14	105	94
890-8615-15	B-72-14	107	96
890-8615-16	B-73-14	109	94
890-8615-17	B-74-14	105	94
890-8615-18	B-78-7	111	95
890-8615-19	B-79-7	108	94
890-8615-20	B-80-7	107	96
890-8615-21	B-81-7	96	30 S1-
890-8615-21 MS	B-81-7	103	95
890-8615-21 MSD	B-81-7	103	115
890-8615-22	B-83-7	116	104
LCS 880-116392/1-A	Lab Control Sample	103	100
LCS 880-116460/1-A	Lab Control Sample	101	101
LCS 880-116494/1-A	Lab Control Sample	95	97
LCSD 880-116392/2-A	Lab Control Sample Dup	103	100
LCSD 880-116460/2-A	Lab Control Sample Dup	103	99
LCSD 880-116494/2-A	Lab Control Sample Dup	97	104
MB 880-116392/15-A	Method Blank	107	89
MB 880-116460/5-A	Method Blank	105	91
MB 880-116494/5-A	Method Blank	101	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8615-1	SW-11-0-14	141 S1+	153 S1+
890-8615-2	SW-12-0-14	137 S1+	148 S1+

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Surrogate Summary

Client: Arcadis US Inc.

Job ID: 890-8615-1

Project/Site: WLU 86

SDG: Lea 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)
890-8615-3	SW-13-0-12	92	98
890-8615-3 MS	SW-13-0-12	103	99
890-8615-3 MSD	SW-13-0-12	107	108
890-8615-4	SW-14-0-14	103	111
890-8615-5	SW-15-0-14	109	118
890-8615-6	SW-16-0-8	111	115
890-8615-7	SW-17-0-8	110	118
890-8615-8	SW-18-0-5	110	118
890-8615-9	SW-19-0-4	101	110
890-8615-10	B-68-8	101	111
890-8615-11	B-69-12	109	122
890-8615-12	B-70-12	98	108
890-8615-13	B-75-8	105	113
890-8615-14	B-77-14	111	117
890-8615-15	B-72-14	103	113
890-8615-16	B-73-14	110	121
890-8615-17	B-74-14	112	117
890-8615-18	B-78-7	106	111
890-8615-19	B-79-7	109	120
890-8615-20	B-80-7	105	112
890-8615-21	B-81-7	122	126
890-8615-22	B-83-7	117	127
LCS 880-116417/2-A	Lab Control Sample	120	125
LCS 880-116418/2-A	Lab Control Sample	128	125
LCSD 880-116417/3-A	Lab Control Sample Dup	126	127
LCSD 880-116418/3-A	Lab Control Sample Dup	131 S1+	126
MB 880-116417/1-A	Method Blank	136 S1+	149 S1+
MB 880-116418/1-A	Method Blank	18 S1-	19 S1-

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116392/15-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		08/12/25 15:00	08/12/25 23:39	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/12/25 15:00	08/12/25 23:39	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/12/25 15:00	08/12/25 23:39	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		08/12/25 15:00	08/12/25 23:39	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		08/12/25 15:00	08/12/25 23:39	1
Xylenes, Total	<0.00227	U	0.00397	0.00227	mg/Kg		08/12/25 15:00	08/12/25 23:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/12/25 15:00	08/12/25 23:39	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/12/25 15:00	08/12/25 23:39	1

Lab Sample ID: LCS 880-116392/1-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09942		mg/Kg		99	70 - 130
Toluene	0.100	0.09561		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09836		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1959		mg/Kg		98	70 - 130
o-Xylene	0.100	0.08031		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-116392/2-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116392

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09918		mg/Kg		99	70 - 130	0	35
Toluene	0.100	0.09521		mg/Kg		95	70 - 130	0	35
Ethylbenzene	0.100	0.09812		mg/Kg		98	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1951		mg/Kg		98	70 - 130	0	35
o-Xylene	0.100	0.07989		mg/Kg		80	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-8615-13 MS

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: B-75-8

Prep Type: Total/NA

Prep Batch: 116392

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U F1	0.0990	0.05801	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U F1	0.0990	0.04108	F1	mg/Kg		41	70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

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

Lab Sample ID: 890-8615-13 MS

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: B-75-8

Prep Type: Total/NA

Prep Batch: 116392

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00109	U F1	0.0990	0.03164	F1	mg/Kg		32	70 - 130
m-Xylene & p-Xylene	<0.00229	U F1	0.198	0.06007	F1	mg/Kg		30	70 - 130
o-Xylene	<0.00158	U F1	0.0990	0.02870	F1	mg/Kg		29	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-8615-13 MSD

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: B-75-8

Prep Type: Total/NA

Prep Batch: 116392

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U F1	0.100	0.05749	F1	mg/Kg		57	70 - 130	1	35
Toluene	<0.00200	U F1	0.100	0.03977	F1	mg/Kg		40	70 - 130	3	35
Ethylbenzene	<0.00109	U F1	0.100	0.03067	F1	mg/Kg		31	70 - 130	3	35
m-Xylene & p-Xylene	<0.00229	U F1	0.201	0.05830	F1	mg/Kg		29	70 - 130	3	35
o-Xylene	<0.00158	U F1	0.100	0.02843	F1	mg/Kg		28	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-116460/5-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/12/25 10:00	08/12/25 12:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 10:00	08/12/25 12:23	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 10:00	08/12/25 12:23	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 10:00	08/12/25 12:23	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 10:00	08/12/25 12:23	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 10:00	08/12/25 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 10:00	08/12/25 12:23	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/12/25 10:00	08/12/25 12:23	1

Lab Sample ID: LCS 880-116460/1-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116460

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08765		mg/Kg		88	70 - 130
Toluene	0.100	0.08528		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08916		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1774		mg/Kg		89	70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-116460/1-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116460

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.07338		mg/Kg		73	70 - 130

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

Lab Sample ID: LCSD 880-116460/2-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116460

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09355		mg/Kg		94	70 - 130	7	35
Toluene	0.100	0.09082		mg/Kg		91	70 - 130	6	35
Ethylbenzene	0.100	0.09523		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1901		mg/Kg		95	70 - 130	7	35
o-Xylene	0.100	0.07806		mg/Kg		78	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-8615-1 MS

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: SW-11-0-14

Prep Type: Total/NA

Prep Batch: 116460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.08807		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.100	0.08626		mg/Kg		86	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.09033		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1795		mg/Kg		90	70 - 130
o-Xylene	<0.00158	U	0.100	0.07403		mg/Kg		74	70 - 130

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

Lab Sample ID: 890-8615-1 MSD

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: SW-11-0-14

Prep Type: Total/NA

Prep Batch: 116460

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	0.08346		mg/Kg		83	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08193		mg/Kg		82	70 - 130	5	35
Ethylbenzene	<0.00109	U	0.100	0.08636		mg/Kg		86	70 - 130	4	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1723		mg/Kg		86	70 - 130	4	35
o-Xylene	<0.00158	U	0.100	0.07113		mg/Kg		71	70 - 130	4	35

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

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

Lab Sample ID: 890-8615-1 MSD

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: SW-11-0-14

Prep Type: Total/NA

Prep Batch: 116460

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-116494/5-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116494

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/12/25 11:26	08/12/25 12:49	1	
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 11:26	08/12/25 12:49	1	
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 11:26	08/12/25 12:49	1	
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 11:26	08/12/25 12:49	1	
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 11:26	08/12/25 12:49	1	
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 11:26	08/12/25 12:49	1	

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

	Prepared	Analyzed	Dil	Fac
	08/12/25 11:26	08/12/25 12:49	1	
	08/12/25 11:26	08/12/25 12:49	1	

Lab Sample ID: LCS 880-116494/1-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Spike	LCS	LCS					%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.09449		mg/Kg		94	70 - 130			
Toluene	0.100	0.08710		mg/Kg		87	70 - 130			
Ethylbenzene	0.100	0.09855		mg/Kg		99	70 - 130			
m-Xylene & p-Xylene	0.200	0.1735		mg/Kg		87	70 - 130			
o-Xylene	0.100	0.09002		mg/Kg		90	70 - 130			

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-116494/2-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Spike	LCSD	LCSD					%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09780		mg/Kg		98	70 - 130	3	35	
Toluene	0.100	0.08990		mg/Kg		90	70 - 130	3	35	
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	4	35	
m-Xylene & p-Xylene	0.200	0.1811		mg/Kg		91	70 - 130	4	35	
o-Xylene	0.100	0.09256		mg/Kg		93	70 - 130	3	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-116494/2-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116494

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

Lab Sample ID: 890-8615-21 MS

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: B-81-7

Prep Type: Total/NA

Prep Batch: 116494

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00139	U	0.100	0.08253		mg/Kg		83	70 - 130	
Toluene	<0.00200	U	0.100	0.07669		mg/Kg		77	70 - 130	
Ethylbenzene	<0.00109	U	0.100	0.08415		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1494		mg/Kg		75	70 - 130	
o-Xylene	<0.00158	U	0.100	0.07545		mg/Kg		75	70 - 130	

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

Lab Sample ID: 890-8615-21 MSD

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: B-81-7

Prep Type: Total/NA

Prep Batch: 116494

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00139	U	0.100	0.09458		mg/Kg		95	70 - 130	14	35	
Toluene	<0.00200	U	0.100	0.08524		mg/Kg		85	70 - 130	11	35	
Ethylbenzene	<0.00109	U	0.100	0.09506		mg/Kg		95	70 - 130	12	35	
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1684		mg/Kg		84	70 - 130	12	35	
o-Xylene	<0.00158	U	0.100	0.08552		mg/Kg		86	70 - 130	13	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

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

Lab Sample ID: MB 880-116417/1-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116417

	MB	MB								
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		08/11/25 14:45	08/13/25 08:49	1	
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/11/25 14:45	08/13/25 08:49	1	
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/11/25 14:45	08/13/25 08:49	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane	136	S1+	70 - 130	08/11/25 14:45	08/13/25 08:49	1				
o-Terphenyl	149	S1+	70 - 130	08/11/25 14:45	08/13/25 08:49	1				

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-116417/2-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	722.2		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	1000	932.4		mg/Kg		93	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		120	70 - 130				
o-Terphenyl		125	70 - 130				

Lab Sample ID: LCSD 880-116417/3-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116417

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	761.8		mg/Kg		76	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	967.0		mg/Kg		97	70 - 130	4	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		126	70 - 130						
o-Terphenyl		127	70 - 130						

Lab Sample ID: MB 880-116418/1-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.86	J	50.0	14.5	mg/Kg		08/11/25 14:45	08/14/25 05:00	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/11/25 14:45	08/14/25 05:00	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/11/25 14:45	08/14/25 05:00	1
		MB	MB						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane	18	S1-	70 - 130						
o-Terphenyl	19	S1-	70 - 130						
							Prepared	Analyzed	Dil Fac
							08/11/25 14:45	08/14/25 05:00	1
							08/11/25 14:45	08/14/25 05:00	1

Lab Sample ID: LCS 880-116418/2-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116418

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	803.0		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	960.6		mg/Kg		96	70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-116418/2-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116418

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-116418/3-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116418

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	799.1		mg/Kg		80	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	970.9		mg/Kg		97	70 - 130	1	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	131	S1+									
o-Terphenyl	126										

Lab Sample ID: 890-8615-3 MS

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: SW-13-0-12

Prep Type: Total/NA

Prep Batch: 116418

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	23.4	J B F1	997	692.2	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	24.3	J	997	918.8		mg/Kg		90	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	103										
o-Terphenyl	99										

Lab Sample ID: 890-8615-3 MSD

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: SW-13-0-12

Prep Type: Total/NA

Prep Batch: 116418

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	23.4	J B F1	997	735.5		mg/Kg		71	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	24.3	J	997	1033		mg/Kg		101	70 - 130	12	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	107										
o-Terphenyl	108										

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116483/1-A

Matrix: Solid

Analysis Batch: 116532

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			08/13/25 22:05	1

Lab Sample ID: LCS 880-116483/2-A

Matrix: Solid

Analysis Batch: 116532

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.9		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-116483/3-A

Matrix: Solid

Analysis Batch: 116532

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	225.2		mg/Kg		90	90 - 110	2	20

Lab Sample ID: 890-8615-1 MS

Matrix: Solid

Analysis Batch: 116532

Client Sample ID: SW-11-0-14

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	119		251	350.6		mg/Kg		92	90 - 110

Lab Sample ID: 890-8615-1 MSD

Matrix: Solid

Analysis Batch: 116532

Client Sample ID: SW-11-0-14

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	119		251	360.9		mg/Kg		97	90 - 110	3	20

Lab Sample ID: 890-8615-11 MS

Matrix: Solid

Analysis Batch: 116532

Client Sample ID: B-69-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	233		253	491.8		mg/Kg		103	90 - 110

Lab Sample ID: 890-8615-11 MSD

Matrix: Solid

Analysis Batch: 116532

Client Sample ID: B-69-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	233		253	476.5		mg/Kg		96	90 - 110	3	20

Lab Sample ID: MB 880-116534/1-A

Matrix: Solid

Analysis Batch: 116571

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			08/13/25 22:36	1

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-116534/2-A

Matrix: Solid

Analysis Batch: 116571

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-116534/3-A

Matrix: Solid

Analysis Batch: 116571

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	243.0		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

GC VOA

Prep Batch: 116392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-13	B-75-8	Total/NA	Solid	5030B	
890-8615-14	B-77-14	Total/NA	Solid	5030B	
890-8615-15	B-72-14	Total/NA	Solid	5030B	
890-8615-16	B-73-14	Total/NA	Solid	5030B	
890-8615-17	B-74-14	Total/NA	Solid	5030B	
890-8615-18	B-78-7	Total/NA	Solid	5030B	
890-8615-19	B-79-7	Total/NA	Solid	5030B	
890-8615-20	B-80-7	Total/NA	Solid	5030B	
MB 880-116392/15-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-116392/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-116392/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8615-13 MS	B-75-8	Total/NA	Solid	5030B	
890-8615-13 MSD	B-75-8	Total/NA	Solid	5030B	

Analysis Batch: 116437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-21	B-81-7	Total/NA	Solid	8021B	116494
890-8615-22	B-83-7	Total/NA	Solid	8021B	116494
MB 880-116494/5-A	Method Blank	Total/NA	Solid	8021B	116494
LCS 880-116494/1-A	Lab Control Sample	Total/NA	Solid	8021B	116494
LCSD 880-116494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116494
890-8615-21 MS	B-81-7	Total/NA	Solid	8021B	116494
890-8615-21 MSD	B-81-7	Total/NA	Solid	8021B	116494

Analysis Batch: 116439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Total/NA	Solid	8021B	116460
890-8615-2	SW-12-0-14	Total/NA	Solid	8021B	116460
890-8615-3	SW-13-0-12	Total/NA	Solid	8021B	116460
890-8615-4	SW-14-0-14	Total/NA	Solid	8021B	116460
890-8615-5	SW-15-0-14	Total/NA	Solid	8021B	116460
890-8615-6	SW-16-0-8	Total/NA	Solid	8021B	116460
890-8615-7	SW-17-0-8	Total/NA	Solid	8021B	116460
890-8615-8	SW-18-0-5	Total/NA	Solid	8021B	116460
890-8615-9	SW-19-0-4	Total/NA	Solid	8021B	116460
890-8615-10	B-68-8	Total/NA	Solid	8021B	116460
890-8615-11	B-69-12	Total/NA	Solid	8021B	116460
890-8615-12	B-70-12	Total/NA	Solid	8021B	116460
890-8615-13	B-75-8	Total/NA	Solid	8021B	116392
890-8615-14	B-77-14	Total/NA	Solid	8021B	116392
890-8615-15	B-72-14	Total/NA	Solid	8021B	116392
890-8615-16	B-73-14	Total/NA	Solid	8021B	116392
890-8615-17	B-74-14	Total/NA	Solid	8021B	116392
890-8615-18	B-78-7	Total/NA	Solid	8021B	116392
890-8615-19	B-79-7	Total/NA	Solid	8021B	116392
890-8615-20	B-80-7	Total/NA	Solid	8021B	116392
MB 880-116392/15-A	Method Blank	Total/NA	Solid	8021B	116392
MB 880-116460/5-A	Method Blank	Total/NA	Solid	8021B	116460
LCS 880-116392/1-A	Lab Control Sample	Total/NA	Solid	8021B	116392
LCS 880-116460/1-A	Lab Control Sample	Total/NA	Solid	8021B	116460
LCSD 880-116392/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116392

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 116439 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-116460/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116460
890-8615-1 MS	SW-11-0-14	Total/NA	Solid	8021B	116460
890-8615-1 MSD	SW-11-0-14	Total/NA	Solid	8021B	116460
890-8615-13 MS	B-75-8	Total/NA	Solid	8021B	116392
890-8615-13 MSD	B-75-8	Total/NA	Solid	8021B	116392

Prep Batch: 116460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Total/NA	Solid	5030B	
890-8615-2	SW-12-0-14	Total/NA	Solid	5030B	
890-8615-3	SW-13-0-12	Total/NA	Solid	5030B	
890-8615-4	SW-14-0-14	Total/NA	Solid	5030B	
890-8615-5	SW-15-0-14	Total/NA	Solid	5030B	
890-8615-6	SW-16-0-8	Total/NA	Solid	5030B	
890-8615-7	SW-17-0-8	Total/NA	Solid	5030B	
890-8615-8	SW-18-0-5	Total/NA	Solid	5030B	
890-8615-9	SW-19-0-4	Total/NA	Solid	5030B	
890-8615-10	B-68-8	Total/NA	Solid	5030B	
890-8615-11	B-69-12	Total/NA	Solid	5030B	
890-8615-12	B-70-12	Total/NA	Solid	5030B	
MB 880-116460/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-116460/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-116460/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8615-1 MS	SW-11-0-14	Total/NA	Solid	5030B	
890-8615-1 MSD	SW-11-0-14	Total/NA	Solid	5030B	

Prep Batch: 116494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-21	B-81-7	Total/NA	Solid	5030B	
890-8615-22	B-83-7	Total/NA	Solid	5030B	
MB 880-116494/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-116494/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-116494/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8615-21 MS	B-81-7	Total/NA	Solid	5030B	
890-8615-21 MSD	B-81-7	Total/NA	Solid	5030B	

Analysis Batch: 116562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Total/NA	Solid	Total BTEX	
890-8615-2	SW-12-0-14	Total/NA	Solid	Total BTEX	
890-8615-3	SW-13-0-12	Total/NA	Solid	Total BTEX	
890-8615-4	SW-14-0-14	Total/NA	Solid	Total BTEX	
890-8615-5	SW-15-0-14	Total/NA	Solid	Total BTEX	
890-8615-6	SW-16-0-8	Total/NA	Solid	Total BTEX	
890-8615-7	SW-17-0-8	Total/NA	Solid	Total BTEX	
890-8615-8	SW-18-0-5	Total/NA	Solid	Total BTEX	
890-8615-9	SW-19-0-4	Total/NA	Solid	Total BTEX	
890-8615-10	B-68-8	Total/NA	Solid	Total BTEX	
890-8615-11	B-69-12	Total/NA	Solid	Total BTEX	
890-8615-12	B-70-12	Total/NA	Solid	Total BTEX	
890-8615-13	B-75-8	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 116562 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-14	B-77-14	Total/NA	Solid	Total BTEX	
890-8615-15	B-72-14	Total/NA	Solid	Total BTEX	
890-8615-16	B-73-14	Total/NA	Solid	Total BTEX	
890-8615-17	B-74-14	Total/NA	Solid	Total BTEX	
890-8615-18	B-78-7	Total/NA	Solid	Total BTEX	
890-8615-19	B-79-7	Total/NA	Solid	Total BTEX	
890-8615-20	B-80-7	Total/NA	Solid	Total BTEX	
890-8615-21	B-81-7	Total/NA	Solid	Total BTEX	
890-8615-22	B-83-7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Total/NA	Solid	8015NM Prep	
890-8615-2	SW-12-0-14	Total/NA	Solid	8015NM Prep	
MB 880-116417/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116417/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 116418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-3	SW-13-0-12	Total/NA	Solid	8015NM Prep	
890-8615-4	SW-14-0-14	Total/NA	Solid	8015NM Prep	
890-8615-5	SW-15-0-14	Total/NA	Solid	8015NM Prep	
890-8615-6	SW-16-0-8	Total/NA	Solid	8015NM Prep	
890-8615-7	SW-17-0-8	Total/NA	Solid	8015NM Prep	
890-8615-8	SW-18-0-5	Total/NA	Solid	8015NM Prep	
890-8615-9	SW-19-0-4	Total/NA	Solid	8015NM Prep	
890-8615-10	B-68-8	Total/NA	Solid	8015NM Prep	
890-8615-11	B-69-12	Total/NA	Solid	8015NM Prep	
890-8615-12	B-70-12	Total/NA	Solid	8015NM Prep	
890-8615-13	B-75-8	Total/NA	Solid	8015NM Prep	
890-8615-14	B-77-14	Total/NA	Solid	8015NM Prep	
890-8615-15	B-72-14	Total/NA	Solid	8015NM Prep	
890-8615-16	B-73-14	Total/NA	Solid	8015NM Prep	
890-8615-17	B-74-14	Total/NA	Solid	8015NM Prep	
890-8615-18	B-78-7	Total/NA	Solid	8015NM Prep	
890-8615-19	B-79-7	Total/NA	Solid	8015NM Prep	
890-8615-20	B-80-7	Total/NA	Solid	8015NM Prep	
890-8615-21	B-81-7	Total/NA	Solid	8015NM Prep	
890-8615-22	B-83-7	Total/NA	Solid	8015NM Prep	
MB 880-116418/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116418/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116418/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8615-3 MS	SW-13-0-12	Total/NA	Solid	8015NM Prep	
890-8615-3 MSD	SW-13-0-12	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Total/NA	Solid	8015B NM	116417

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 116606 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-2	SW-12-0-14	Total/NA	Solid	8015B NM	116417
890-8615-3	SW-13-0-12	Total/NA	Solid	8015B NM	116418
890-8615-4	SW-14-0-14	Total/NA	Solid	8015B NM	116418
890-8615-5	SW-15-0-14	Total/NA	Solid	8015B NM	116418
890-8615-6	SW-16-0-8	Total/NA	Solid	8015B NM	116418
890-8615-7	SW-17-0-8	Total/NA	Solid	8015B NM	116418
890-8615-8	SW-18-0-5	Total/NA	Solid	8015B NM	116418
890-8615-9	SW-19-0-4	Total/NA	Solid	8015B NM	116418
890-8615-10	B-68-8	Total/NA	Solid	8015B NM	116418
890-8615-11	B-69-12	Total/NA	Solid	8015B NM	116418
890-8615-12	B-70-12	Total/NA	Solid	8015B NM	116418
890-8615-13	B-75-8	Total/NA	Solid	8015B NM	116418
890-8615-14	B-77-14	Total/NA	Solid	8015B NM	116418
890-8615-15	B-72-14	Total/NA	Solid	8015B NM	116418
890-8615-16	B-73-14	Total/NA	Solid	8015B NM	116418
890-8615-17	B-74-14	Total/NA	Solid	8015B NM	116418
890-8615-18	B-78-7	Total/NA	Solid	8015B NM	116418
890-8615-19	B-79-7	Total/NA	Solid	8015B NM	116418
890-8615-20	B-80-7	Total/NA	Solid	8015B NM	116418
890-8615-21	B-81-7	Total/NA	Solid	8015B NM	116418
890-8615-22	B-83-7	Total/NA	Solid	8015B NM	116418
MB 880-116417/1-A	Method Blank	Total/NA	Solid	8015B NM	116417
MB 880-116418/1-A	Method Blank	Total/NA	Solid	8015B NM	116418
LCS 880-116417/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116417
LCS 880-116418/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116418
LCSD 880-116417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116417
LCSD 880-116418/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116418
890-8615-3 MS	SW-13-0-12	Total/NA	Solid	8015B NM	116418
890-8615-3 MSD	SW-13-0-12	Total/NA	Solid	8015B NM	116418

Analysis Batch: 116706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Total/NA	Solid	8015 NM	
890-8615-2	SW-12-0-14	Total/NA	Solid	8015 NM	
890-8615-3	SW-13-0-12	Total/NA	Solid	8015 NM	
890-8615-4	SW-14-0-14	Total/NA	Solid	8015 NM	
890-8615-5	SW-15-0-14	Total/NA	Solid	8015 NM	
890-8615-6	SW-16-0-8	Total/NA	Solid	8015 NM	
890-8615-7	SW-17-0-8	Total/NA	Solid	8015 NM	
890-8615-8	SW-18-0-5	Total/NA	Solid	8015 NM	
890-8615-9	SW-19-0-4	Total/NA	Solid	8015 NM	
890-8615-10	B-68-8	Total/NA	Solid	8015 NM	
890-8615-11	B-69-12	Total/NA	Solid	8015 NM	
890-8615-12	B-70-12	Total/NA	Solid	8015 NM	
890-8615-13	B-75-8	Total/NA	Solid	8015 NM	
890-8615-14	B-77-14	Total/NA	Solid	8015 NM	
890-8615-15	B-72-14	Total/NA	Solid	8015 NM	
890-8615-16	B-73-14	Total/NA	Solid	8015 NM	
890-8615-17	B-74-14	Total/NA	Solid	8015 NM	
890-8615-18	B-78-7	Total/NA	Solid	8015 NM	
890-8615-19	B-79-7	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 116706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-20	B-80-7	Total/NA	Solid	8015 NM	
890-8615-21	B-81-7	Total/NA	Solid	8015 NM	
890-8615-22	B-83-7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Soluble	Solid	DI Leach	
890-8615-2	SW-12-0-14	Soluble	Solid	DI Leach	
890-8615-3	SW-13-0-12	Soluble	Solid	DI Leach	
890-8615-4	SW-14-0-14	Soluble	Solid	DI Leach	
890-8615-5	SW-15-0-14	Soluble	Solid	DI Leach	
890-8615-6	SW-16-0-8	Soluble	Solid	DI Leach	
890-8615-7	SW-17-0-8	Soluble	Solid	DI Leach	
890-8615-8	SW-18-0-5	Soluble	Solid	DI Leach	
890-8615-9	SW-19-0-4	Soluble	Solid	DI Leach	
890-8615-10	B-68-8	Soluble	Solid	DI Leach	
890-8615-11	B-69-12	Soluble	Solid	DI Leach	
890-8615-12	B-70-12	Soluble	Solid	DI Leach	
890-8615-13	B-75-8	Soluble	Solid	DI Leach	
890-8615-14	B-77-14	Soluble	Solid	DI Leach	
890-8615-15	B-72-14	Soluble	Solid	DI Leach	
890-8615-16	B-73-14	Soluble	Solid	DI Leach	
890-8615-17	B-74-14	Soluble	Solid	DI Leach	
890-8615-18	B-78-7	Soluble	Solid	DI Leach	
890-8615-19	B-79-7	Soluble	Solid	DI Leach	
890-8615-20	B-80-7	Soluble	Solid	DI Leach	
MB 880-116483/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116483/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116483/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8615-1 MS	SW-11-0-14	Soluble	Solid	DI Leach	
890-8615-1 MSD	SW-11-0-14	Soluble	Solid	DI Leach	
890-8615-11 MS	B-69-12	Soluble	Solid	DI Leach	
890-8615-11 MSD	B-69-12	Soluble	Solid	DI Leach	

Analysis Batch: 116532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-1	SW-11-0-14	Soluble	Solid	300.0	116483
890-8615-2	SW-12-0-14	Soluble	Solid	300.0	116483
890-8615-3	SW-13-0-12	Soluble	Solid	300.0	116483
890-8615-4	SW-14-0-14	Soluble	Solid	300.0	116483
890-8615-5	SW-15-0-14	Soluble	Solid	300.0	116483
890-8615-6	SW-16-0-8	Soluble	Solid	300.0	116483
890-8615-7	SW-17-0-8	Soluble	Solid	300.0	116483
890-8615-8	SW-18-0-5	Soluble	Solid	300.0	116483
890-8615-9	SW-19-0-4	Soluble	Solid	300.0	116483
890-8615-10	B-68-8	Soluble	Solid	300.0	116483
890-8615-11	B-69-12	Soluble	Solid	300.0	116483
890-8615-12	B-70-12	Soluble	Solid	300.0	116483
890-8615-13	B-75-8	Soluble	Solid	300.0	116483

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 116532 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-14	B-77-14	Soluble	Solid	300.0	116483
890-8615-15	B-72-14	Soluble	Solid	300.0	116483
890-8615-16	B-73-14	Soluble	Solid	300.0	116483
890-8615-17	B-74-14	Soluble	Solid	300.0	116483
890-8615-18	B-78-7	Soluble	Solid	300.0	116483
890-8615-19	B-79-7	Soluble	Solid	300.0	116483
890-8615-20	B-80-7	Soluble	Solid	300.0	116483
MB 880-116483/1-A	Method Blank	Soluble	Solid	300.0	116483
LCS 880-116483/2-A	Lab Control Sample	Soluble	Solid	300.0	116483
LCSD 880-116483/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116483
890-8615-1 MS	SW-11-0-14	Soluble	Solid	300.0	116483
890-8615-1 MSD	SW-11-0-14	Soluble	Solid	300.0	116483
890-8615-11 MS	B-69-12	Soluble	Solid	300.0	116483
890-8615-11 MSD	B-69-12	Soluble	Solid	300.0	116483

Leach Batch: 116534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-21	B-81-7	Soluble	Solid	DI Leach	
890-8615-22	B-83-7	Soluble	Solid	DI Leach	
MB 880-116534/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116534/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116534/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 116571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8615-21	B-81-7	Soluble	Solid	300.0	116534
890-8615-22	B-83-7	Soluble	Solid	300.0	116534
MB 880-116534/1-A	Method Blank	Soluble	Solid	300.0	116534
LCS 880-116534/2-A	Lab Control Sample	Soluble	Solid	300.0	116534
LCSD 880-116534/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116534

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-11-0-14
Date Collected: 08/07/25 09:00
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-1
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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 12:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 18:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 18:45	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 22:22	CS	EET MID

Client Sample ID: SW-12-0-14
Date Collected: 08/07/25 09:10
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-2
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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 13:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 19:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 19:06	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 22:39	CS	EET MID

Client Sample ID: SW-13-0-12
Date Collected: 08/07/25 09:20
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-3
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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 13:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 20:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 20:28	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 22:45	CS	EET MID

Client Sample ID: SW-14-0-14
Date Collected: 08/07/25 09:30
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-4
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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 14:05	AJ	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-14-0-14

Lab Sample ID: 890-8615-4

Date Collected: 08/07/25 09:30

Matrix: Solid

Date Received: 08/11/25 11:39

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			116706	08/13/25 21:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 21:29	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 22:50	CS	EET MID

Client Sample ID: SW-15-0-14

Lab Sample ID: 890-8615-5

Date Collected: 08/07/25 09:40

Matrix: Solid

Date Received: 08/11/25 11:39

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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 14:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 21:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 21:50	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 22:56	CS	EET MID

Client Sample ID: SW-16-0-8

Lab Sample ID: 890-8615-6

Date Collected: 08/07/25 09:50

Matrix: Solid

Date Received: 08/11/25 11:39

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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 14:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 22:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 22:10	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 23:13	CS	EET MID

Client Sample ID: SW-17-0-8

Lab Sample ID: 890-8615-7

Date Collected: 08/07/25 10:00

Matrix: Solid

Date Received: 08/11/25 11:39

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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 15:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 22:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 22:31	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: SW-17-0-8**Lab Sample ID: 890-8615-7****Date Collected: 08/07/25 10:00****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 23:19	CS	EET MID

Client Sample ID: SW-18-0-5**Lab Sample ID: 890-8615-8****Date Collected: 08/07/25 10:10****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 15:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 22:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 22:51	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 23:24	CS	EET MID

Client Sample ID: SW-19-0-4**Lab Sample ID: 890-8615-9****Date Collected: 08/07/25 10:20****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 15:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 15:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 23:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 23:11	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 23:30	CS	EET MID

Client Sample ID: B-68-8**Lab Sample ID: 890-8615-10****Date Collected: 08/07/25 09:48****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 16:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 16:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 23:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 23:32	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 23:36	CS	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-69-12
Date Collected: 08/08/25 10:30
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-11
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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 17:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/13/25 23:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 23:52	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 23:41	CS	EET MID

Client Sample ID: B-70-12
Date Collected: 08/08/25 10:40
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-12
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	116460	08/12/25 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/12/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 18:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 00:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 00:13	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/13/25 23:58	CS	EET MID

Client Sample ID: B-75-8
Date Collected: 08/07/25 13:20
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-13
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			5.00 g	5 mL	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 00:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 00:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 00:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 00:54	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:04	CS	EET MID

Client Sample ID: B-77-14
Date Collected: 08/08/25 13:00
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-14
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			5.00 g	5 mL	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 00:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 00:21	AJ	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-77-14
Date Collected: 08/08/25 13:00
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116706	08/14/25 01:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 01:15	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:21	CS	EET MID

Client Sample ID: B-72-14
Date Collected: 08/08/25 13:10
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-15
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			5.00 g	5 mL	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 00:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 01:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 01:35	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:27	CS	EET MID

Client Sample ID: B-73-14
Date Collected: 08/08/25 13:20
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-16
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	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 01:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 01:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 01:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 01:56	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:32	CS	EET MID

Client Sample ID: B-74-14
Date Collected: 08/08/25 13:30
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-17
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	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 01:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 02:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 02:17	SA	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-74-14**Lab Sample ID: 890-8615-17****Date Collected: 08/08/25 13:30****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:38	CS	EET MID

Client Sample ID: B-78-7**Lab Sample ID: 890-8615-18****Date Collected: 08/08/25 14:00****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 01:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 01:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 02:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 02:37	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:44	CS	EET MID

Client Sample ID: B-79-7**Lab Sample ID: 890-8615-19****Date Collected: 08/08/25 14:10****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116392	08/12/25 19:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 02:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 02:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 02:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 02:57	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:49	CS	EET MID

Client Sample ID: B-80-7**Lab Sample ID: 890-8615-20****Date Collected: 08/08/25 14:20****Matrix: Solid****Date Received: 08/11/25 11:39**

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	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 02:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/13/25 02:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 03:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 03:18	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116483	08/12/25 10:56	SI	EET MID
Soluble	Analysis	300.0		1			116532	08/14/25 00:55	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Client Sample ID: B-81-7
Date Collected: 08/08/25 14:30
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-21
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	116494	08/12/25 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116437	08/12/25 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 14:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 03:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 03:38	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116534	08/12/25 16:16	SMC	EET MID
Soluble	Analysis	300.0		1			116571	08/14/25 00:29	CS	EET MID

Client Sample ID: B-83-7
Date Collected: 08/08/25 14:40
Date Received: 08/11/25 11:39

Lab Sample ID: 890-8615-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	116494	08/12/25 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116437	08/12/25 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116562	08/12/25 15:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116706	08/14/25 03:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116418	08/12/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/14/25 03:59	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	116534	08/12/25 16:16	SMC	EET MID
Soluble	Analysis	300.0		1			116571	08/14/25 00:37	CS	EET MID

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

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea 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	06-30-26
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: WLU 86

Job ID: 890-8615-1
SDG: Lea 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
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8615-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8615-1	SW-11-0-14	Solid	08/07/25 09:00	08/11/25 11:39	Texas
890-8615-2	SW-12-0-14	Solid	08/07/25 09:10	08/11/25 11:39	Texas
890-8615-3	SW-13-0-12	Solid	08/07/25 09:20	08/11/25 11:39	Texas
890-8615-4	SW-14-0-14	Solid	08/07/25 09:30	08/11/25 11:39	Texas
890-8615-5	SW-15-0-14	Solid	08/07/25 09:40	08/11/25 11:39	Texas
890-8615-6	SW-16-0-8	Solid	08/07/25 09:50	08/11/25 11:39	Texas
890-8615-7	SW-17-0-8	Solid	08/07/25 10:00	08/11/25 11:39	Texas
890-8615-8	SW-18-0-5	Solid	08/07/25 10:10	08/11/25 11:39	Texas
890-8615-9	SW-19-0-4	Solid	08/07/25 10:20	08/11/25 11:39	Texas
890-8615-10	B-68-8	Solid	08/07/25 09:48	08/11/25 11:39	Texas
890-8615-11	B-69-12	Solid	08/08/25 10:30	08/11/25 11:39	Texas
890-8615-12	B-70-12	Solid	08/08/25 10:40	08/11/25 11:39	Texas
890-8615-13	B-75-8	Solid	08/07/25 13:20	08/11/25 11:39	Texas
890-8615-14	B-77-14	Solid	08/08/25 13:00	08/11/25 11:39	Texas
890-8615-15	B-72-14	Solid	08/08/25 13:10	08/11/25 11:39	Texas
890-8615-16	B-73-14	Solid	08/08/25 13:20	08/11/25 11:39	Texas
890-8615-17	B-74-14	Solid	08/08/25 13:30	08/11/25 11:39	Texas
890-8615-18	B-78-7	Solid	08/08/25 14:00	08/11/25 11:39	Texas
890-8615-19	B-79-7	Solid	08/08/25 14:10	08/11/25 11:39	Texas
890-8615-20	B-80-7	Solid	08/08/25 14:20	08/11/25 11:39	Texas
890-8615-21	B-81-7	Solid	08/08/25 14:30	08/11/25 11:39	Texas
890-8615-22	B-83-7	Solid	08/08/25 14:40	08/11/25 11:39	Texas

Eurofins Carlsbad

Phone: 432-704-5440

Environment Testing

Ver: 10/10/2024

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8615-1

SDG Number: Lea County NM

Login Number: 8615

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8615-1

SDG Number: Lea County NM

Login Number: 8615

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 08/12/25 09:46 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
98 San Jacinto Blvd.
Suite 414
Austin, Texas 78701

Generated 8/13/2025 1:03:45 PM

JOB DESCRIPTION

WLU 86
Lea County NM

JOB NUMBER

890-8621-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/13/2025 1:03:45 PM

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

Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 890-8621-1
SDG: Lea County NM

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: WLU 86

Job ID: 890-8621-1

Job ID: 890-8621-1

Eurofins Carlsbad

Job Narrative 890-8621-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/12/2025 3:03 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 2.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-84-16 (890-8621-1), B-85-16 (890-8621-2), B-86-18 (890-8621-3), B-87-22 (890-8621-4) and B-88-18 (890-8621-5).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-116277 and 880-116564 and analytical batch 880-116443 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-86-18 (890-8621-3) and B-88-18 (890-8621-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-116564 and analytical batch 880-116443 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-116566 and analytical batch 880-116593 contained Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: B-88-18 (890-8621-5). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Client Sample ID: B-84-16

Lab Sample ID: 890-8621-1

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/12/25 15:03

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		08/12/25 20:32	08/13/25 07:24	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/12/25 20:32	08/13/25 07:24	1
Ethylbenzene	0.00186	J	0.00199	0.00108	mg/Kg		08/12/25 20:32	08/13/25 07:24	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 20:32	08/13/25 07:24	1
o-Xylene	<0.00157	U **	0.00199	0.00157	mg/Kg		08/12/25 20:32	08/13/25 07:24	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 20:32	08/13/25 07:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	08/12/25 20:32	08/13/25 07:24	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/12/25 20:32	08/13/25 07:24	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			08/13/25 07:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27.0	J	50.0	15.1	mg/Kg			08/13/25 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/13/25 07:29	08/13/25 11:56	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 11:56	1
Oil Range Organics (Over C28-C36)	27.0	J B	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	08/13/25 07:29	08/13/25 11:56	1
o-Terphenyl	124		70 - 130	08/13/25 07:29	08/13/25 11:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		9.94	0.393	mg/Kg			08/13/25 11:19	1

Client Sample ID: B-85-16

Lab Sample ID: 890-8621-2

Date Collected: 08/11/25 14:00

Matrix: Solid

Date Received: 08/12/25 15:03

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		08/12/25 20:32	08/13/25 07:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 20:32	08/13/25 07:45	1
Ethylbenzene	0.00165	J	0.00200	0.00109	mg/Kg		08/12/25 20:32	08/13/25 07:45	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 20:32	08/13/25 07:45	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg		08/12/25 20:32	08/13/25 07:45	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 20:32	08/13/25 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	08/12/25 20:32	08/13/25 07:45	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/12/25 20:32	08/13/25 07:45	1

Eurofins Carlsbad

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Client Sample ID: B-85-16

Lab Sample ID: 890-8621-2

Date Collected: 08/11/25 14:00

Matrix: Solid

Date Received: 08/12/25 15:03

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			08/13/25 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	25.8	J	50.0	15.1	mg/Kg			08/13/25 12:11	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	<14.5	U	50.0	14.5	mg/Kg		08/13/25 07:29	08/13/25 12:11	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 12:11	1
Oil Range Organics (Over C28-C36)	25.8	J B	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/13/25 07:29	08/13/25 12:11	1
o-Terphenyl	121		70 - 130				08/13/25 07:29	08/13/25 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.2		9.98	0.394	mg/Kg			08/13/25 11:26	1

Client Sample ID: B-86-18

Lab Sample ID: 890-8621-3

Date Collected: 08/11/25 14:50

Matrix: Solid

Date Received: 08/12/25 15:03

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		08/12/25 20:32	08/13/25 08:05	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/12/25 20:32	08/13/25 08:05	1
Ethylbenzene	0.00160	J	0.00198	0.00108	mg/Kg		08/12/25 20:32	08/13/25 08:05	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		08/12/25 20:32	08/13/25 08:05	1
o-Xylene	<0.00157	U *	0.00198	0.00157	mg/Kg		08/12/25 20:32	08/13/25 08:05	1
Xylenes, Total	<0.00227	U	0.00397	0.00227	mg/Kg		08/12/25 20:32	08/13/25 08:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				08/12/25 20:32	08/13/25 08:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/12/25 20:32	08/13/25 08:05	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			08/13/25 08:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.9	J	49.8	15.1	mg/Kg			08/13/25 12:28	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	<14.5	U	49.8	14.5	mg/Kg		08/13/25 07:29	08/13/25 12:28	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Client Sample ID: B-86-18

Lab Sample ID: 890-8621-3

Date Collected: 08/11/25 14:50

Matrix: Solid

Date Received: 08/12/25 15:03

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	49.8	15.1	mg/Kg		08/13/25 07:29	08/13/25 12:28	1
Oil Range Organics (Over C28-C36)	24.9	J B	49.8	15.1	mg/Kg		08/13/25 07:29	08/13/25 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/13/25 07:29	08/13/25 12:28	1
o-Terphenyl	122		70 - 130				08/13/25 07:29	08/13/25 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		9.94	0.393	mg/Kg			08/13/25 11:49	1

Client Sample ID: B-87-22

Lab Sample ID: 890-8621-4

Date Collected: 08/11/25 15:00

Matrix: Solid

Date Received: 08/12/25 15:03

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		08/12/25 20:32	08/13/25 09:56	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/12/25 20:32	08/13/25 09:56	1
Ethylbenzene	0.00162	J	0.00198	0.00108	mg/Kg		08/12/25 20:32	08/13/25 09:56	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 20:32	08/13/25 09:56	1
o-Xylene	<0.00157	U *	0.00198	0.00157	mg/Kg		08/12/25 20:32	08/13/25 09:56	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		08/12/25 20:32	08/13/25 09:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/12/25 20:32	08/13/25 09:56	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/12/25 20:32	08/13/25 09:56	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			08/13/25 09:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.5	J	50.0	15.1	mg/Kg			08/13/25 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	<14.5	U	50.0	14.5	mg/Kg		08/13/25 07:29	08/13/25 12:43	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 12:43	1
Oil Range Organics (Over C28-C36)	23.5	J B	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/13/25 07:29	08/13/25 12:43	1
o-Terphenyl	122		70 - 130				08/13/25 07:29	08/13/25 12:43	1

Eurofins Carlsbad

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Client Sample ID: B-87-22

Lab Sample ID: 890-8621-4

Date Collected: 08/11/25 15:00

Matrix: Solid

Date Received: 08/12/25 15:03

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			08/13/25 11:57	1

Client Sample ID: B-88-18

Lab Sample ID: 890-8621-5

Date Collected: 08/11/25 14:40

Matrix: Solid

Date Received: 08/12/25 15:03

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		08/12/25 20:32	08/13/25 10:16	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/12/25 20:32	08/13/25 10:16	1
Ethylbenzene	0.00193	J	0.00201	0.00109	mg/Kg		08/12/25 20:32	08/13/25 10:16	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 20:32	08/13/25 10:16	1
o-Xylene	<0.00159	U *	0.00201	0.00159	mg/Kg		08/12/25 20:32	08/13/25 10:16	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		08/12/25 20:32	08/13/25 10:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				08/12/25 20:32	08/13/25 10:16	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/12/25 20:32	08/13/25 10:16	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			08/13/25 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.1	J	50.0	15.1	mg/Kg			08/13/25 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/13/25 07:29	08/13/25 13:10	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 13:10	1
Oil Range Organics (Over C28-C36)	26.1	J B	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/13/25 07:29	08/13/25 13:10	1
o-Terphenyl	139	S1+	70 - 130				08/13/25 07:29	08/13/25 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.0	0.397	mg/Kg			08/13/25 12:04	1

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Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea 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)
890-8621-1	B-84-16	135 S1+	114
890-8621-2	B-85-16	152 S1+	117
890-8621-3	B-86-18	143 S1+	112
890-8621-4	B-87-22	112	98
890-8621-5	B-88-18	140 S1+	114
LCS 880-116564/1-A	Lab Control Sample	120	110
LCSD 880-116564/2-A	Lab Control Sample Dup	121	105
MB 880-116277/5-A	Method Blank	170 S1+	90
MB 880-116564/5-A	Method Blank	156 S1+	82
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8621-1	B-84-16	122	124
890-8621-2	B-85-16	116	121
890-8621-3	B-86-18	113	122
890-8621-4	B-87-22	112	122
890-8621-5	B-88-18	127	139 S1+
LCS 880-116566/2-A	Lab Control Sample	82	80
LCSD 880-116566/3-A	Lab Control Sample Dup	82	79
MB 880-116566/1-A	Method Blank	72	80
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116277/5-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/12/25 16:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130	08/08/25 15:53	08/12/25 16:55	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/08/25 15:53	08/12/25 16:55	1

Lab Sample ID: MB 880-116564/5-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/12/25 20:32	08/13/25 04:33	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 20:32	08/13/25 04:33	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 20:32	08/13/25 04:33	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 20:32	08/13/25 04:33	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 20:32	08/13/25 04:33	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 20:32	08/13/25 04:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	08/12/25 20:32	08/13/25 04:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130	08/12/25 20:32	08/13/25 04:33	1

Lab Sample ID: LCS 880-116564/1-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1098		mg/Kg		110	70 - 130
Toluene	0.100	0.09577		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09599		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1299		mg/Kg		130	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-116564/2-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116564

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1087		mg/Kg		109	70 - 130	1	35

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-116564/2-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116564

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09709		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.09515		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2296		mg/Kg		115	70 - 130	4	35
o-Xylene	0.100	0.1414	*+	mg/Kg		141	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-116566/1-A

Matrix: Solid

Analysis Batch: 116593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116566

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		08/13/25 07:29	08/13/25 08:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 08:06	1
Oil Range Organics (Over C28-C36)	22.31	J	50.0	15.1	mg/Kg		08/13/25 07:29	08/13/25 08:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	08/13/25 07:29	08/13/25 08:06	1
o-Terphenyl	80		70 - 130	08/13/25 07:29	08/13/25 08:06	1

Lab Sample ID: LCS 880-116566/2-A

Matrix: Solid

Analysis Batch: 116593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1101		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1088		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: LCSD 880-116566/3-A

Matrix: Solid

Analysis Batch: 116593

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116566

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	1	20
Diesel Range Organics (Over C10-C28)	1000	1045		mg/Kg		105	70 - 130	4	20

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-116566/3-A

Matrix: Solid

Analysis Batch: 116593

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116566

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	82		70 - 130
o-Terphenyl	79		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116569/1-A

Matrix: Solid

Analysis Batch: 116578

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<0.395	U	10.0	0.395	mg/Kg			08/13/25 10:18	1

Lab Sample ID: LCS 880-116569/2-A

Matrix: Solid

Analysis Batch: 116578

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	241.9		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-116569/3-A

Matrix: Solid

Analysis Batch: 116578

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	240.0		mg/Kg		96	90 - 110	1	20

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

GC VOA

Prep Batch: 116277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116277/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 116443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Total/NA	Solid	8021B	116564
890-8621-2	B-85-16	Total/NA	Solid	8021B	116564
890-8621-3	B-86-18	Total/NA	Solid	8021B	116564
890-8621-4	B-87-22	Total/NA	Solid	8021B	116564
890-8621-5	B-88-18	Total/NA	Solid	8021B	116564
MB 880-116277/5-A	Method Blank	Total/NA	Solid	8021B	116277
MB 880-116564/5-A	Method Blank	Total/NA	Solid	8021B	116564
LCS 880-116564/1-A	Lab Control Sample	Total/NA	Solid	8021B	116564
LCSD 880-116564/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116564

Prep Batch: 116564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Total/NA	Solid	5030B	
890-8621-2	B-85-16	Total/NA	Solid	5030B	
890-8621-3	B-86-18	Total/NA	Solid	5030B	
890-8621-4	B-87-22	Total/NA	Solid	5030B	
890-8621-5	B-88-18	Total/NA	Solid	5030B	
MB 880-116564/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-116564/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-116564/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 116622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Total/NA	Solid	Total BTEX	
890-8621-2	B-85-16	Total/NA	Solid	Total BTEX	
890-8621-3	B-86-18	Total/NA	Solid	Total BTEX	
890-8621-4	B-87-22	Total/NA	Solid	Total BTEX	
890-8621-5	B-88-18	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Total/NA	Solid	8015NM Prep	
890-8621-2	B-85-16	Total/NA	Solid	8015NM Prep	
890-8621-3	B-86-18	Total/NA	Solid	8015NM Prep	
890-8621-4	B-87-22	Total/NA	Solid	8015NM Prep	
890-8621-5	B-88-18	Total/NA	Solid	8015NM Prep	
MB 880-116566/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116566/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Total/NA	Solid	8015B NM	116566
890-8621-2	B-85-16	Total/NA	Solid	8015B NM	116566
890-8621-3	B-86-18	Total/NA	Solid	8015B NM	116566

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 116593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-4	B-87-22	Total/NA	Solid	8015B NM	116566
890-8621-5	B-88-18	Total/NA	Solid	8015B NM	116566
MB 880-116566/1-A	Method Blank	Total/NA	Solid	8015B NM	116566
LCS 880-116566/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116566
LCSD 880-116566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116566

Analysis Batch: 116632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Total/NA	Solid	8015 NM	
890-8621-2	B-85-16	Total/NA	Solid	8015 NM	
890-8621-3	B-86-18	Total/NA	Solid	8015 NM	
890-8621-4	B-87-22	Total/NA	Solid	8015 NM	
890-8621-5	B-88-18	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Soluble	Solid	DI Leach	
890-8621-2	B-85-16	Soluble	Solid	DI Leach	
890-8621-3	B-86-18	Soluble	Solid	DI Leach	
890-8621-4	B-87-22	Soluble	Solid	DI Leach	
890-8621-5	B-88-18	Soluble	Solid	DI Leach	
MB 880-116569/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116569/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116569/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 116578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8621-1	B-84-16	Soluble	Solid	300.0	116569
890-8621-2	B-85-16	Soluble	Solid	300.0	116569
890-8621-3	B-86-18	Soluble	Solid	300.0	116569
890-8621-4	B-87-22	Soluble	Solid	300.0	116569
890-8621-5	B-88-18	Soluble	Solid	300.0	116569
MB 880-116569/1-A	Method Blank	Soluble	Solid	300.0	116569
LCS 880-116569/2-A	Lab Control Sample	Soluble	Solid	300.0	116569
LCSD 880-116569/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116569

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Client Sample ID: B-84-16

Lab Sample ID: 890-8621-1

Date Collected: 08/11/25 13:50

Matrix: Solid

Date Received: 08/12/25 15:03

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	116564	08/12/25 20:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 07:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116622	08/13/25 07:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			116632	08/13/25 11:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116566	08/13/25 07:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116593	08/13/25 11:56	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	116569	08/13/25 08:07	SA	EET MID
Soluble	Analysis	300.0		1			116578	08/13/25 11:19	CS	EET MID

Client Sample ID: B-85-16

Lab Sample ID: 890-8621-2

Date Collected: 08/11/25 14:00

Matrix: Solid

Date Received: 08/12/25 15:03

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	116564	08/12/25 20:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 07:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116622	08/13/25 07:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			116632	08/13/25 12:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116566	08/13/25 07:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116593	08/13/25 12:11	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116569	08/13/25 08:07	SA	EET MID
Soluble	Analysis	300.0		1			116578	08/13/25 11:26	CS	EET MID

Client Sample ID: B-86-18

Lab Sample ID: 890-8621-3

Date Collected: 08/11/25 14:50

Matrix: Solid

Date Received: 08/12/25 15:03

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	116564	08/12/25 20:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 08:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116622	08/13/25 08:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			116632	08/13/25 12:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116566	08/13/25 07:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116593	08/13/25 12:28	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	116569	08/13/25 08:07	SA	EET MID
Soluble	Analysis	300.0		1			116578	08/13/25 11:49	CS	EET MID

Client Sample ID: B-87-22

Lab Sample ID: 890-8621-4

Date Collected: 08/11/25 15:00

Matrix: Solid

Date Received: 08/12/25 15:03

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	116564	08/12/25 20:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 09:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116622	08/13/25 09:56	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Client Sample ID: B-87-22
Date Collected: 08/11/25 15:00
Date Received: 08/12/25 15:03

Lab Sample ID: 890-8621-4
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			116632	08/13/25 12:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116566	08/13/25 07:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116593	08/13/25 12:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	116569	08/13/25 08:07	SA	EET MID
Soluble	Analysis	300.0		1			116578	08/13/25 11:57	CS	EET MID

Client Sample ID: B-88-18
Date Collected: 08/11/25 14:40
Date Received: 08/12/25 15:03

Lab Sample ID: 890-8621-5
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	116564	08/12/25 20:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 10:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116622	08/13/25 10:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			116632	08/13/25 13:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116566	08/13/25 07:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116593	08/13/25 13:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116569	08/13/25 08:07	SA	EET MID
Soluble	Analysis	300.0		1			116578	08/13/25 12:04	CS	EET MID

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

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea 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	06-30-26
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

- 1
- 2
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Method Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea 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
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8621-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8621-1	B-84-16	Solid	08/11/25 13:50	08/12/25 15:03	Texas
890-8621-2	B-85-16	Solid	08/11/25 14:00	08/12/25 15:03	Texas
890-8621-3	B-86-18	Solid	08/11/25 14:50	08/12/25 15:03	Texas
890-8621-4	B-87-22	Solid	08/11/25 15:00	08/12/25 15:03	Texas
890-8621-5	B-88-18	Solid	08/11/25 14:40	08/12/25 15:03	Texas

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8/13/2025

890-8621 Chain of C...

Client Information				Lab PLS:		Chain Tracking No(s):		Page 1 of 1	
Client Contact: Mr. Morgan Jordan Company: Arcadis U.S., Inc.				Phone: 575-942-0292 PWSID:		Builes, John E-Mail: John.Builes@et.eurofins.com		State of Origin: NM	
Address: 1004 North Big Spring Suite 300 City: Midland State, Zip: TX, 79701 Phone: 281-644-9437(Tel) Email: douglas.jordan@arcadis.com Project Name: WLU 86				Due Date Requested:		Analysis Requested		Job #:	
				TAT Requested (days): 24 hr Rush				Preservation Codes N - None	
				Compliance Project: ☐ Yes ☒ No					
				PO #:					
				WO #:					
Site: Lea County, NM				Project #: 30246541.00003				Other:	
				SSCW#:					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=water, S=solid, O=oils/oil, BT=tissue, A=aq)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions Note:
B-84-16'	8/11/25	1350	C	Solid		X	X X	1	24 hr Rush
B-85-16'		1400		Solid		X	X X	1	on
B-86-18'		1450		Solid		X	X X	1	TPH, BTEX, CI
B-87-22'		1500		Solid		X	X X	1	
B-88-18'	x	1440	x	Solid		X	X X	1	
				Solid				1	
				Solid				1	
				Solid				1	
				Solid				1	
				Solid				1	
				Solid				1	
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Required: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:			
Empty Kit Relinquished by:				Date:	Time:	Method of Shipment:			
Relinquished by: [Signature]				Date/Time: 8/12/25 1500	Company: Arcadis	Received by: [Signature]		Date/Time:	Company:
Relinquished by:				Date/Time:	Company:	Received by:		Date/Time:	Company:
Relinquished by:				Date/Time:	Company:	Received by:		Date/Time:	Company:
Custody Seals Intact:		Custody Seal No..		Cooler Temperature(s) and Other Remarks:					
☒ Yes ☐ No				2.0 2.8 ~ 2					

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8621-1

SDG Number: Lea County NM

Login Number: 8621

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8621-1

SDG Number: Lea County NM

Login Number: 8621

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 08/12/25 08:41 PM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 4/1/2025 1:13:42 PM

JOB DESCRIPTION

WLU 72
Lea County nm

JOB NUMBER

880-56186-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/1/2025 1:13:42 PM

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

Client: Arcadis US Inc.
Project/Site: WLU 72

Laboratory Job ID: 880-56186-1
SDG: Lea County nm

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: WLU 72

Job ID: 880-56186-1

Job ID: 880-56186-1

Eurofins Midland

Job Narrative 880-56186-1

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 3/28/2025 2:00 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 4.3°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: Surrogate recovery for the following sample was outside control limits: (LCS 880-106445/2-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.

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

Client Sample ID: Backfill

Lab Sample ID: 880-56186-1

Date Collected: 03/28/25 08:05

Matrix: Solid

Date Received: 03/28/25 14:00

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	-	03/28/25 15:10	03/29/25 04:11	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	03/28/25 15:10	03/29/25 04:11	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	03/28/25 15:10	03/29/25 04:11	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg	-	03/28/25 15:10	03/29/25 04:11	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	03/28/25 15:10	03/29/25 04:11	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg	-	03/28/25 15:10	03/29/25 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/28/25 15:10	03/29/25 04:11	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/28/25 15:10	03/29/25 04:11	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	-		03/29/25 04:11	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	-		03/31/25 17:34	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	<14.5	U	50.0	14.5	mg/Kg	-	03/31/25 08:18	03/31/25 17:34	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	03/31/25 08:18	03/31/25 17:34	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	03/31/25 08:18	03/31/25 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	03/31/25 08:18	03/31/25 17:34	1
o-Terphenyl	81		70 - 130	03/31/25 08:18	03/31/25 17:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	529		49.9	1.97	mg/Kg	-		03/29/25 17:29	5

Eurofins Midland

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea 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)
880-56186-1	Backfill	112	88
LCS 880-106364/1-A	Lab Control Sample	101	93
LCSD 880-106364/2-A	Lab Control Sample Dup	102	94
MB 880-106307/5-A	Method Blank	106	83
MB 880-106364/5-A	Method Blank	95	85
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)
880-56186-1	Backfill	85	81
LCS 880-106445/2-A	Lab Control Sample	133 S1+	126
LCSD 880-106445/3-A	Lab Control Sample Dup	118	111
MB 880-106445/1-A	Method Blank	89	86
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106307/5-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/28/25 09:15	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/28/25 09:15	03/28/25 11:51	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/28/25 09:15	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/28/25 09:15	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/28/25 09:15	03/28/25 11:51	1

Lab Sample ID: MB 880-106364/5-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		03/28/25 15:10	03/28/25 22:50	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		03/28/25 15:10	03/28/25 22:50	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		03/28/25 15:10	03/28/25 22:50	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		03/28/25 15:10	03/28/25 22:50	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		03/28/25 15:10	03/28/25 22:50	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		03/28/25 15:10	03/28/25 22:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/28/25 15:10	03/28/25 22:50	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/28/25 15:10	03/28/25 22:50	1

Lab Sample ID: LCS 880-106364/1-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08567		mg/Kg		86	70 - 130
Toluene	0.100	0.07562		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.07896		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1683		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08620		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-106364/2-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09394		mg/Kg		94	70 - 130	9	35

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

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

Lab Sample ID: LCSD 880-106364/2-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.08332		mg/Kg		83	70 - 130	10		35
Ethylbenzene	0.100	0.08661		mg/Kg		87	70 - 130	9		35
m-Xylene & p-Xylene	0.200	0.1836		mg/Kg		92	70 - 130	9		35
o-Xylene	0.100	0.09378		mg/Kg		94	70 - 130	8		35

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

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

Lab Sample ID: MB 880-106445/1-A

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106445

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/31/25 08:18	03/31/25 10:17	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/25 08:18	03/31/25 10:17	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/25 08:18	03/31/25 10:17	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	89		70 - 130	03/31/25 08:18	03/31/25 10:17	1
o-Terphenyl	86		70 - 130	03/31/25 08:18	03/31/25 10:17	1

Lab Sample ID: LCS 880-106445/2-A

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	845.3		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	993.0		mg/Kg		99	70 - 130	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-106445/3-A

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	774.6		mg/Kg		77	70 - 130	9		20
Diesel Range Organics (Over C10-C28)	1000	889.0		mg/Kg		89	70 - 130	11		20

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

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

Lab Sample ID: LCSD 880-106445/3-A
Matrix: Solid
Analysis Batch: 106488

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 106445

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	118		70 - 130
o-Terphenyl	111		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106358/1-A
Matrix: Solid
Analysis Batch: 106413

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<0.395	U	10.0	0.395	mg/Kg			03/29/25 14:33	1

Lab Sample ID: LCS 880-106358/2-A
Matrix: Solid
Analysis Batch: 106413

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	256.0		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-106358/3-A
Matrix: Solid
Analysis Batch: 106413

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.9		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

GC VOA

Analysis Batch: 106301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Total/NA	Solid	8021B	106364
MB 880-106307/5-A	Method Blank	Total/NA	Solid	8021B	106307
MB 880-106364/5-A	Method Blank	Total/NA	Solid	8021B	106364
LCS 880-106364/1-A	Lab Control Sample	Total/NA	Solid	8021B	106364
LCSD 880-106364/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106364

Prep Batch: 106307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-106307/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 106364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Total/NA	Solid	5030B	
MB 880-106364/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-106364/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-106364/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 106569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-106445/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106445/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Total/NA	Solid	8015B NM	106445
MB 880-106445/1-A	Method Blank	Total/NA	Solid	8015B NM	106445
LCS 880-106445/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106445
LCSD 880-106445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106445

Analysis Batch: 106653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 106358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Soluble	Solid	DI Leach	
MB 880-106358/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106358/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106358/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

HPLC/IC

Analysis Batch: 106413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56186-1	Backfill	Soluble	Solid	300.0	106358
MB 880-106358/1-A	Method Blank	Soluble	Solid	300.0	106358
LCS 880-106358/2-A	Lab Control Sample	Soluble	Solid	300.0	106358
LCSD 880-106358/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106358

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

Client Sample ID: Backfill
Date Collected: 03/28/25 08:05
Date Received: 03/28/25 14:00

Lab Sample ID: 880-56186-1
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	106364	03/28/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106301	03/29/25 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106569	03/29/25 04:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106653	03/31/25 17:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	106445	03/31/25 08:18	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106488	03/31/25 17:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	106358	03/28/25 16:30	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	106413	03/29/25 17:29	CH	EET MID

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

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea 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.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea 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
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 72

Job ID: 880-56186-1
SDG: Lea County nm

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56186-1	Backfill	Solid	03/28/25 08:05	03/28/25 14:00

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14	13	12	11	10	9	8	7	6	5	4	3	2	1
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Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 880-56186-1

SDG Number: Lea County nm

Login Number: 56186

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
98 San Jacinto Blvd.
Suite 414
Austin, Texas 78701

Generated 7/11/2025 4:24:27 PM

JOB DESCRIPTION

WLU 86
30246541.00004

JOB NUMBER

890-8422-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/11/2025 4:24:27 PM

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

Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 890-8422-1
SDG: 30246541.00004

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: WLU 86

Job ID: 890-8422-1

Job ID: 890-8422-1**Eurofins Carlsbad****Job Narrative
890-8422-1**

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 2:10 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 2.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-5-0-4 (890-8422-1), B-1-4 (890-8422-2), B-2-4 (890-8422-3), B-3-4 (890-8422-4), B-4-4 (890-8422-5), B-5-4 (890-8422-6), B-6-4 (890-8422-7), B-7-4 (890-8422-8), B-8-4 (890-8422-9), B-9-4 (890-8422-10), B-10-4 (890-8422-11), B-11-4 (890-8422-12), B-12-4 (890-8422-13), B-13-4 (890-8422-14), B-14-4 (890-8422-15), B-15-4 (890-8422-16), B-16-4 (890-8422-17), B-17-9 (890-8422-18), B-18-4 (890-8422-19), B-19-8 (890-8422-20), B-20-4 (890-8422-21), B-21-4 (890-8422-22), B-22-4 (890-8422-23), B-23-8 (890-8422-24), B-24-8 (890-8422-25), B-25-4 (890-8422-26), B-26-4 (890-8422-27), B-27-4 (890-8422-28), B-28-4 (890-8422-29), B-29-4 (890-8422-30), B-30-4 (890-8422-31), B-32-4 (890-8422-32), B-33-4 (890-8422-33), B-35-4 (890-8422-34), B-37-4 (890-8422-35), B-38-4 (890-8422-36), B-40-4 (890-8422-37), B-41-4 (890-8422-38), B-42-4 (890-8422-39), B-43-4 (890-8422-40), B-44-4 (890-8422-41), B-45-4 (890-8422-42), B-46-4 (890-8422-43), B-47-4 (890-8422-44), B-48-12 (890-8422-45), B-49-12 (890-8422-46), B-50-12 (890-8422-47), B-53-4 (890-8422-48), B-54-4 (890-8422-49), B-31-5 (890-8422-50), B-36-5 (890-8422-51) and B-39-5 (890-8422-52).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-113867 and analytical batch 880-113865 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-23-8 (890-8422-24) and B-25-4 (890-8422-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-113861/33). 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 880-113851 and analytical batch 880-113880 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-17-9 (890-8422-18). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-113852/2-A) and (LCSD 880-113852/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113856 and analytical batch 880-113870 were outside control limits for one or more analytes. See QC Sample Results for

Eurofins Carlsbad

Case Narrative

Client: Arcadis US Inc.
Project: WLU 86

Job ID: 890-8422-1

Job ID: 890-8422-1 (Continued) **Eurofins Carlsbad**

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.

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Eurofins Carlsbad

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: SW-5-0-4

Lab Sample ID: 890-8422-1

Date Collected: 07/07/25 00:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 11:57	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:34	07/10/25 11:57	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:34	07/10/25 11:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:34	07/10/25 11:57	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/10/25 08:34	07/10/25 11:57	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:34	07/10/25 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/10/25 08:34	07/10/25 11:57	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/10/25 08:34	07/10/25 11:57	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	0.00228	mg/Kg			07/10/25 11:57	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			07/10/25 11:54	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		07/10/25 08:03	07/10/25 11:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 11:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	07/10/25 08:03	07/10/25 11:54	1
o-Terphenyl	128		70 - 130	07/10/25 08:03	07/10/25 11:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	498		10.0	0.397	mg/Kg			07/10/25 11:04	1

Client Sample ID: B-1-4

Lab Sample ID: 890-8422-2

Date Collected: 07/07/25 09:30

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 12:17	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:34	07/10/25 12:17	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:34	07/10/25 12:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:34	07/10/25 12:17	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/10/25 08:34	07/10/25 12:17	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:34	07/10/25 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/10/25 08:34	07/10/25 12:17	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/10/25 08:34	07/10/25 12:17	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-1-4

Lab Sample ID: 890-8422-2

Date Collected: 07/07/25 09:30

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 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	<49.8	U	49.8	15.1	mg/Kg			07/10/25 12:10	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		07/10/25 08:03	07/10/25 12:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/10/25 08:03	07/10/25 12:10	1
o-Terphenyl	124		70 - 130				07/10/25 08:03	07/10/25 12:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		10.1	0.399	mg/Kg			07/10/25 11:10	1

Client Sample ID: B-2-4

Lab Sample ID: 890-8422-3

Date Collected: 07/07/25 09:40

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 12:37	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:34	07/10/25 12:37	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:34	07/10/25 12:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:34	07/10/25 12:37	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:34	07/10/25 12:37	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:34	07/10/25 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/10/25 08:34	07/10/25 12:37	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/10/25 08:34	07/10/25 12:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			07/10/25 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			07/10/25 12:26	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:03	07/10/25 12:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:26	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-2-4

Lab Sample ID: 890-8422-3

Date Collected: 07/07/25 09:40

Matrix: Solid

Date Received: 07/09/25 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/10/25 08:03	07/10/25 12:26	1
o-Terphenyl	125		70 - 130				07/10/25 08:03	07/10/25 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		10.1	0.398	mg/Kg			07/10/25 11:15	1

Client Sample ID: B-3-4

Lab Sample ID: 890-8422-4

Date Collected: 07/07/25 09:50

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 12:58	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:34	07/10/25 12:58	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:34	07/10/25 12:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:34	07/10/25 12:58	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/10/25 08:34	07/10/25 12:58	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:34	07/10/25 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/10/25 08:34	07/10/25 12:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130				07/10/25 08:34	07/10/25 12:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00229	mg/Kg			07/10/25 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	<49.8	U	49.8	15.1	mg/Kg			07/10/25 12:41	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	49.8	14.5	mg/Kg		07/10/25 08:03	07/10/25 12:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/10/25 08:03	07/10/25 12:41	1
o-Terphenyl	125		70 - 130				07/10/25 08:03	07/10/25 12:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		9.96	0.393	mg/Kg			07/10/25 11:21	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-4-4

Lab Sample ID: 890-8422-5

Date Collected: 07/07/25 10:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 13:18	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:34	07/10/25 13:18	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:34	07/10/25 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:34	07/10/25 13:18	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/10/25 08:34	07/10/25 13:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:34	07/10/25 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/10/25 08:34	07/10/25 13:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/10/25 08:34	07/10/25 13:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/10/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/10/25 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	<49.9	U	49.9	14.5	mg/Kg		07/10/25 08:03	07/10/25 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:03	07/10/25 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	07/10/25 08:03	07/10/25 12:57	1
o-Terphenyl	129		70 - 130	07/10/25 08:03	07/10/25 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.08		0.0992	0.00392	mg/Kg			07/10/25 11:38	1

Client Sample ID: B-5-4

Lab Sample ID: 890-8422-6

Date Collected: 07/07/25 10:15

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 13:39	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:34	07/10/25 13:39	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:34	07/10/25 13:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:34	07/10/25 13:39	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:34	07/10/25 13:39	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:34	07/10/25 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/10/25 08:34	07/10/25 13:39	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/10/25 08:34	07/10/25 13:39	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-5-4

Lab Sample ID: 890-8422-6

Date Collected: 07/07/25 10:15

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/10/25 13:13	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:03	07/10/25 13:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 13:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/10/25 08:03	07/10/25 13:13	1
o-Terphenyl	118		70 - 130				07/10/25 08:03	07/10/25 13:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.6		9.98	0.394	mg/Kg			07/10/25 11:44	1

Client Sample ID: B-6-4

Lab Sample ID: 890-8422-7

Date Collected: 07/07/25 10:25

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 13:59	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:34	07/10/25 13:59	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:34	07/10/25 13:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:34	07/10/25 13:59	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/10/25 08:34	07/10/25 13:59	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:34	07/10/25 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/10/25 08:34	07/10/25 13:59	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/10/25 08:34	07/10/25 13:59	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			07/10/25 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.0	J	49.9	15.1	mg/Kg			07/10/25 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/10/25 08:03	07/10/25 13:29	1
Diesel Range Organics (Over C10-C28)	17.0	J	49.9	15.1	mg/Kg		07/10/25 08:03	07/10/25 13:29	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-6-4

Lab Sample ID: 890-8422-7

Date Collected: 07/07/25 10:25

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:03	07/10/25 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				07/10/25 08:03	07/10/25 13:29	1
o-Terphenyl	126		70 - 130				07/10/25 08:03	07/10/25 13:29	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			07/10/25 12:01	1

Client Sample ID: B-7-4

Lab Sample ID: 890-8422-8

Date Collected: 07/07/25 10:30

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 14:19	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/10/25 08:34	07/10/25 14:19	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/10/25 08:34	07/10/25 14:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:34	07/10/25 14:19	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/10/25 08:34	07/10/25 14:19	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:34	07/10/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/10/25 08:34	07/10/25 14:19	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/10/25 08:34	07/10/25 14:19	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			07/10/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/10/25 13:44	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		07/10/25 08:03	07/10/25 13:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 13:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				07/10/25 08:03	07/10/25 13:44	1
o-Terphenyl	120		70 - 130				07/10/25 08:03	07/10/25 13:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.4		10.1	0.398	mg/Kg			07/10/25 12:06	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-8-4

Lab Sample ID: 890-8422-9

Date Collected: 07/07/25 10:35

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:34	07/10/25 14:40	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/10/25 08:34	07/10/25 14:40	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/10/25 08:34	07/10/25 14:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/10/25 08:34	07/10/25 14:40	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/10/25 08:34	07/10/25 14:40	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg	-	07/10/25 08:34	07/10/25 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/10/25 08:34	07/10/25 14:40	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/10/25 08:34	07/10/25 14:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg	-		07/10/25 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	<49.7	U	49.7	15.0	mg/Kg	-		07/10/25 14:00	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	-	07/10/25 08:03	07/10/25 14:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:03	07/10/25 14:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:03	07/10/25 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	07/10/25 08:03	07/10/25 14:00	1
o-Terphenyl	129		70 - 130	07/10/25 08:03	07/10/25 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		9.94	0.393	mg/Kg	-		07/10/25 12:12	1

Client Sample ID: B-9-4

Lab Sample ID: 890-8422-10

Date Collected: 07/07/25 10:45

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:34	07/10/25 15:00	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/10/25 08:34	07/10/25 15:00	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/10/25 08:34	07/10/25 15:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/10/25 08:34	07/10/25 15:00	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg	-	07/10/25 08:34	07/10/25 15:00	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg	-	07/10/25 08:34	07/10/25 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/10/25 08:34	07/10/25 15:00	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/10/25 08:34	07/10/25 15:00	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-9-4

Lab Sample ID: 890-8422-10

Date Collected: 07/07/25 10:45

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 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			07/10/25 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	<49.9	U	49.9	14.5	mg/Kg		07/10/25 08:03	07/10/25 14:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:03	07/10/25 14:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:03	07/10/25 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				07/10/25 08:03	07/10/25 14:33	1
o-Terphenyl	121		70 - 130				07/10/25 08:03	07/10/25 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		9.96	0.393	mg/Kg			07/10/25 12:18	1

Client Sample ID: B-10-4

Lab Sample ID: 890-8422-11

Date Collected: 07/07/25 10:55

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 16:35	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:34	07/10/25 16:35	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:34	07/10/25 16:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:34	07/10/25 16:35	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:34	07/10/25 16:35	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:34	07/10/25 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/10/25 08:34	07/10/25 16:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/10/25 08:34	07/10/25 16:35	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			07/10/25 16:35	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			07/10/25 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:03	07/10/25 14:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 14:49	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-10-4

Lab Sample ID: 890-8422-11

Date Collected: 07/07/25 10:55

Matrix: Solid

Date Received: 07/09/25 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/10/25 08:03	07/10/25 14:49	1
o-Terphenyl	115		70 - 130				07/10/25 08:03	07/10/25 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		9.92	0.392	mg/Kg			07/10/25 12:23	1

Client Sample ID: B-11-4

Lab Sample ID: 890-8422-12

Date Collected: 07/07/25 11:10

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 16:55	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:34	07/10/25 16:55	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:34	07/10/25 16:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:34	07/10/25 16:55	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/10/25 08:34	07/10/25 16:55	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:34	07/10/25 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/10/25 08:34	07/10/25 16:55	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/10/25 08:34	07/10/25 16:55	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			07/10/25 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			07/10/25 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	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:03	07/10/25 15:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 15:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				07/10/25 08:03	07/10/25 15:05	1
o-Terphenyl	122		70 - 130				07/10/25 08:03	07/10/25 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.1	0.397	mg/Kg			07/10/25 12:29	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-12-4

Lab Sample ID: 890-8422-13

Date Collected: 07/07/25 11:20

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:34	07/10/25 17:15	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg	-	07/10/25 08:34	07/10/25 17:15	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg	-	07/10/25 08:34	07/10/25 17:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg	-	07/10/25 08:34	07/10/25 17:15	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg	-	07/10/25 08:34	07/10/25 17:15	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg	-	07/10/25 08:34	07/10/25 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/10/25 08:34	07/10/25 17:15	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/10/25 08:34	07/10/25 17:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg	-		07/10/25 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	<49.7	U	49.7	15.0	mg/Kg	-		07/10/25 15:21	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	<49.7	U	49.7	14.4	mg/Kg	-	07/10/25 08:03	07/10/25 15:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:03	07/10/25 15:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:03	07/10/25 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	07/10/25 08:03	07/10/25 15:21	1
o-Terphenyl	120		70 - 130	07/10/25 08:03	07/10/25 15:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		10.1	0.399	mg/Kg	-		07/10/25 12:35	1

Client Sample ID: B-13-4

Lab Sample ID: 890-8422-14

Date Collected: 07/07/25 11:30

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:34	07/10/25 17:36	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/10/25 08:34	07/10/25 17:36	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/10/25 08:34	07/10/25 17:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/10/25 08:34	07/10/25 17:36	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg	-	07/10/25 08:34	07/10/25 17:36	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/10/25 08:34	07/10/25 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/10/25 08:34	07/10/25 17:36	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/10/25 08:34	07/10/25 17:36	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-13-4

Lab Sample ID: 890-8422-14

Date Collected: 07/07/25 11:30

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 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	<49.8	U	49.8	15.1	mg/Kg			07/10/25 15:36	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	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:03	07/10/25 15:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 15:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/10/25 08:03	07/10/25 15:36	1
o-Terphenyl	116		70 - 130				07/10/25 08:03	07/10/25 15:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		10.1	0.398	mg/Kg			07/10/25 10:17	1

Client Sample ID: B-14-4

Lab Sample ID: 890-8422-15

Date Collected: 07/07/25 11:40

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 17:56	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:34	07/10/25 17:56	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:34	07/10/25 17:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:34	07/10/25 17:56	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:34	07/10/25 17:56	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:34	07/10/25 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/10/25 08:34	07/10/25 17:56	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/10/25 08:34	07/10/25 17:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/10/25 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	<50.0	U	50.0	15.1	mg/Kg			07/10/25 15:52	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:03	07/10/25 15:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 15:52	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-14-4

Lab Sample ID: 890-8422-15

Date Collected: 07/07/25 11:40

Matrix: Solid

Date Received: 07/09/25 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				07/10/25 08:03	07/10/25 15:52	1
o-Terphenyl	123		70 - 130				07/10/25 08:03	07/10/25 15:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		9.92	0.392	mg/Kg			07/10/25 10:39	1

Client Sample ID: B-15-4

Lab Sample ID: 890-8422-16

Date Collected: 07/07/25 11:50

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 18:17	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:34	07/10/25 18:17	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:34	07/10/25 18:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:34	07/10/25 18:17	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:34	07/10/25 18:17	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:34	07/10/25 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/10/25 08:34	07/10/25 18:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/10/25 08:34	07/10/25 18:17	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			07/10/25 18:17	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			07/10/25 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:03	07/10/25 16:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 16:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/10/25 08:03	07/10/25 16:08	1
o-Terphenyl	126		70 - 130				07/10/25 08:03	07/10/25 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.6		9.92	0.392	mg/Kg			07/10/25 10:46	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-16-4

Lab Sample ID: 890-8422-17

Date Collected: 07/07/25 12:00

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:34	07/10/25 18:37	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	07/10/25 08:34	07/10/25 18:37	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg	-	07/10/25 08:34	07/10/25 18:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg	-	07/10/25 08:34	07/10/25 18:37	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg	-	07/10/25 08:34	07/10/25 18:37	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg	-	07/10/25 08:34	07/10/25 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/10/25 08:34	07/10/25 18:37	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/10/25 08:34	07/10/25 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	0.00229	mg/Kg	-		07/10/25 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	-		07/10/25 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg	-	07/10/25 08:03	07/10/25 16:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg	-	07/10/25 08:03	07/10/25 16:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/10/25 08:03	07/10/25 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	07/10/25 08:03	07/10/25 16:23	1
o-Terphenyl	124		70 - 130	07/10/25 08:03	07/10/25 16:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		10.0	0.397	mg/Kg	-		07/10/25 10:53	1

Client Sample ID: B-17-9

Lab Sample ID: 890-8422-18

Date Collected: 07/08/25 12:10

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:34	07/10/25 18:57	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/10/25 08:34	07/10/25 18:57	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/10/25 08:34	07/10/25 18:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/10/25 08:34	07/10/25 18:57	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/10/25 08:34	07/10/25 18:57	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/10/25 08:34	07/10/25 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/10/25 08:34	07/10/25 18:57	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/10/25 08:34	07/10/25 18:57	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-17-9

Lab Sample ID: 890-8422-18

Date Collected: 07/08/25 12:10

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 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			07/10/25 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		07/10/25 08:03	07/10/25 16:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 16:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:03	07/10/25 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				07/10/25 08:03	07/10/25 16:38	1
o-Terphenyl	132	S1+	70 - 130				07/10/25 08:03	07/10/25 16:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		9.94	0.393	mg/Kg			07/10/25 11:00	1

Client Sample ID: B-18-4

Lab Sample ID: 890-8422-19

Date Collected: 07/07/25 12:20

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:34	07/10/25 19:18	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/10/25 08:34	07/10/25 19:18	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/10/25 08:34	07/10/25 19:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00227	mg/Kg		07/10/25 08:34	07/10/25 19:18	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/10/25 08:34	07/10/25 19:18	1
Xylenes, Total	<0.00397	U	0.00397	0.00227	mg/Kg		07/10/25 08:34	07/10/25 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/10/25 08:34	07/10/25 19:18	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/10/25 08:34	07/10/25 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00227	mg/Kg			07/10/25 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			07/10/25 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:03	07/10/25 16:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:03	07/10/25 16:54	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-18-4

Lab Sample ID: 890-8422-19

Date Collected: 07/07/25 12:20

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:03	07/10/25 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/10/25 08:03	07/10/25 16:54	1
o-Terphenyl	128		70 - 130				07/10/25 08:03	07/10/25 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		9.96	0.393	mg/Kg	-		07/10/25 11:22	1

Client Sample ID: B-19-8

Lab Sample ID: 890-8422-20

Date Collected: 07/07/25 12:30

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:34	07/10/25 19:38	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/10/25 08:34	07/10/25 19:38	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/10/25 08:34	07/10/25 19:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/10/25 08:34	07/10/25 19:38	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg	-	07/10/25 08:34	07/10/25 19:38	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/10/25 08:34	07/10/25 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/10/25 08:34	07/10/25 19:38	1
1,4-Difluorobenzene (Surr)	85		70 - 130				07/10/25 08:34	07/10/25 19:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg	-		07/10/25 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	<50.0	U	50.0	15.1	mg/Kg	-		07/10/25 11:07	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	<50.0	U	50.0	14.5	mg/Kg	-	07/10/25 08:07	07/10/25 11:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg	-	07/10/25 08:07	07/10/25 11:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/10/25 08:07	07/10/25 11:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/10/25 08:07	07/10/25 11:07	1
o-Terphenyl	120		70 - 130				07/10/25 08:07	07/10/25 11:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	353		9.92	0.392	mg/Kg	-		07/10/25 11:29	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-20-4

Lab Sample ID: 890-8422-21

Date Collected: 07/07/25 12:40

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:36	07/10/25 12:42	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/10/25 08:36	07/10/25 12:42	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/10/25 08:36	07/10/25 12:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/10/25 08:36	07/10/25 12:42	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg	-	07/10/25 08:36	07/10/25 12:42	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg	-	07/10/25 08:36	07/10/25 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/10/25 08:36	07/10/25 12:42	1
1,4-Difluorobenzene (Surr)	124		70 - 130	07/10/25 08:36	07/10/25 12:42	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	0.00228	mg/Kg	-		07/10/25 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg	-		07/10/25 11:54	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	<49.7	U	49.7	14.4	mg/Kg	-	07/10/25 08:07	07/10/25 11:54	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:07	07/10/25 11:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:07	07/10/25 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	07/10/25 08:07	07/10/25 11:54	1
o-Terphenyl	122		70 - 130	07/10/25 08:07	07/10/25 11:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		10.0	0.397	mg/Kg	-		07/10/25 11:37	1

Client Sample ID: B-21-4

Lab Sample ID: 890-8422-22

Date Collected: 07/07/25 13:00

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:36	07/10/25 13:03	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/10/25 08:36	07/10/25 13:03	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/10/25 08:36	07/10/25 13:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/10/25 08:36	07/10/25 13:03	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg	-	07/10/25 08:36	07/10/25 13:03	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/10/25 08:36	07/10/25 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/10/25 08:36	07/10/25 13:03	1
1,4-Difluorobenzene (Surr)	117		70 - 130	07/10/25 08:36	07/10/25 13:03	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-21-4

Lab Sample ID: 890-8422-22

Date Collected: 07/07/25 13:00

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 13:03	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			07/10/25 12:10	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		07/10/25 08:07	07/10/25 12:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 12:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/10/25 08:07	07/10/25 12:10	1
o-Terphenyl	123		70 - 130				07/10/25 08:07	07/10/25 12:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		9.94	0.393	mg/Kg			07/10/25 11:44	1

Client Sample ID: B-22-4

Lab Sample ID: 890-8422-23

Date Collected: 07/07/25 13:10

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 13:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:36	07/10/25 13:23	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:36	07/10/25 13:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:36	07/10/25 13:23	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:36	07/10/25 13:23	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:36	07/10/25 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/10/25 08:36	07/10/25 13:23	1
1,4-Difluorobenzene (Surr)	115		70 - 130				07/10/25 08:36	07/10/25 13:23	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			07/10/25 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/10/25 12:26	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:07	07/10/25 12:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 12:26	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-22-4

Lab Sample ID: 890-8422-23

Date Collected: 07/07/25 13:10

Matrix: Solid

Date Received: 07/09/25 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/10/25 08:07	07/10/25 12:26	1
o-Terphenyl	123		70 - 130				07/10/25 08:07	07/10/25 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.8		9.96	0.393	mg/Kg			07/10/25 11:51	1

Client Sample ID: B-23-8

Lab Sample ID: 890-8422-24

Date Collected: 07/07/25 13:20

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 13:43	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:36	07/10/25 13:43	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:36	07/10/25 13:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:36	07/10/25 13:43	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/10/25 08:36	07/10/25 13:43	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:36	07/10/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				07/10/25 08:36	07/10/25 13:43	1
1,4-Difluorobenzene (Surr)	121		70 - 130				07/10/25 08:36	07/10/25 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00229	mg/Kg			07/10/25 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/10/25 12:41	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	49.8	14.5	mg/Kg		07/10/25 08:07	07/10/25 12:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 12:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 12:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/10/25 08:07	07/10/25 12:41	1
o-Terphenyl	122		70 - 130				07/10/25 08:07	07/10/25 12:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255	F1	10.1	0.397	mg/Kg			07/10/25 11:58	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-24-8

Lab Sample ID: 890-8422-25

Date Collected: 07/07/25 13:30

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:36	07/10/25 14:04	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/10/25 08:36	07/10/25 14:04	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/10/25 08:36	07/10/25 14:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/10/25 08:36	07/10/25 14:04	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg	-	07/10/25 08:36	07/10/25 14:04	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/10/25 08:36	07/10/25 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	07/10/25 08:36	07/10/25 14:04	1
1,4-Difluorobenzene (Surr)	116		70 - 130	07/10/25 08:36	07/10/25 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg	-		07/10/25 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	<49.7	U	49.7	15.0	mg/Kg	-		07/10/25 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	-	07/10/25 08:07	07/10/25 12:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:07	07/10/25 12:57	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg	-	07/10/25 08:07	07/10/25 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	07/10/25 08:07	07/10/25 12:57	1
o-Terphenyl	121		70 - 130	07/10/25 08:07	07/10/25 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		10.0	0.397	mg/Kg	-		07/10/25 12:20	1

Client Sample ID: B-25-4

Lab Sample ID: 890-8422-26

Date Collected: 07/07/25 13:40

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:36	07/10/25 14:24	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	-	07/10/25 08:36	07/10/25 14:24	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg	-	07/10/25 08:36	07/10/25 14:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/10/25 08:36	07/10/25 14:24	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg	-	07/10/25 08:36	07/10/25 14:24	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg	-	07/10/25 08:36	07/10/25 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	07/10/25 08:36	07/10/25 14:24	1
1,4-Difluorobenzene (Surr)	116		70 - 130	07/10/25 08:36	07/10/25 14:24	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-25-4

Lab Sample ID: 890-8422-26

Date Collected: 07/07/25 13:40

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/10/25 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:07	07/10/25 13:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 13:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/10/25 08:07	07/10/25 13:13	1
o-Terphenyl	120		70 - 130				07/10/25 08:07	07/10/25 13:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	278		9.96	0.393	mg/Kg			07/10/25 12:27	1

Client Sample ID: B-26-4

Lab Sample ID: 890-8422-27

Date Collected: 07/07/25 13:50

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 14:45	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:36	07/10/25 14:45	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:36	07/10/25 14:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:36	07/10/25 14:45	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/10/25 08:36	07/10/25 14:45	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:36	07/10/25 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				07/10/25 08:36	07/10/25 14:45	1
1,4-Difluorobenzene (Surr)	123		70 - 130				07/10/25 08:36	07/10/25 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00228	mg/Kg			07/10/25 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.6	J	50.0	15.1	mg/Kg			07/10/25 13:29	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:07	07/10/25 13:29	1
Diesel Range Organics (Over C10-C28)	15.6	J	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 13:29	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-26-4

Lab Sample ID: 890-8422-27

Date Collected: 07/07/25 13:50

Matrix: Solid

Date Received: 07/09/25 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				07/10/25 08:07	07/10/25 13:29	1
o-Terphenyl	126		70 - 130				07/10/25 08:07	07/10/25 13:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		9.92	0.392	mg/Kg			07/10/25 12:49	1

Client Sample ID: B-27-4

Lab Sample ID: 890-8422-28

Date Collected: 07/08/25 14:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 15:05	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/10/25 08:36	07/10/25 15:05	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/10/25 08:36	07/10/25 15:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:36	07/10/25 15:05	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/10/25 08:36	07/10/25 15:05	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:36	07/10/25 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				07/10/25 08:36	07/10/25 15:05	1
1,4-Difluorobenzene (Surr)	120		70 - 130				07/10/25 08:36	07/10/25 15:05	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			07/10/25 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/10/25 13:44	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	<49.9	U	49.9	14.5	mg/Kg		07/10/25 08:07	07/10/25 13:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:07	07/10/25 13:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:07	07/10/25 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/10/25 08:07	07/10/25 13:44	1
o-Terphenyl	121		70 - 130				07/10/25 08:07	07/10/25 13:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		10.1	0.399	mg/Kg			07/10/25 12:56	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-28-4

Lab Sample ID: 890-8422-29

Date Collected: 07/08/25 09:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 15:26	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:36	07/10/25 15:26	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:36	07/10/25 15:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:36	07/10/25 15:26	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:36	07/10/25 15:26	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:36	07/10/25 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	07/10/25 08:36	07/10/25 15:26	1
1,4-Difluorobenzene (Surr)	121		70 - 130	07/10/25 08:36	07/10/25 15:26	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			07/10/25 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.6	J	50.0	15.1	mg/Kg			07/10/25 14:00	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:07	07/10/25 14:00	1
Diesel Range Organics (Over C10-C28)	17.6	J	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 14:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	07/10/25 08:07	07/10/25 14:00	1
o-Terphenyl	123		70 - 130	07/10/25 08:07	07/10/25 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		10.0	0.395	mg/Kg			07/10/25 13:03	1

Client Sample ID: B-29-4

Lab Sample ID: 890-8422-30

Date Collected: 07/08/25 09:10

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 15:46	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:36	07/10/25 15:46	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:36	07/10/25 15:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:36	07/10/25 15:46	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:36	07/10/25 15:46	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:36	07/10/25 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	07/10/25 08:36	07/10/25 15:46	1
1,4-Difluorobenzene (Surr)	114		70 - 130	07/10/25 08:36	07/10/25 15:46	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-29-4

Lab Sample ID: 890-8422-30

Date Collected: 07/08/25 09:10

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.2	J	49.8	15.1	mg/Kg			07/10/25 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	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:07	07/10/25 14:33	1
Diesel Range Organics (Over C10-C28)	16.2	J	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 14:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/10/25 08:07	07/10/25 14:33	1
o-Terphenyl	123		70 - 130				07/10/25 08:07	07/10/25 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	521		9.90	0.391	mg/Kg			07/10/25 13:10	1

Client Sample ID: B-30-4

Lab Sample ID: 890-8422-31

Date Collected: 07/08/25 09:20

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 17:37	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:36	07/10/25 17:37	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:36	07/10/25 17:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:36	07/10/25 17:37	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:36	07/10/25 17:37	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:36	07/10/25 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/10/25 08:36	07/10/25 17:37	1
1,4-Difluorobenzene (Surr)	108		70 - 130				07/10/25 08:36	07/10/25 17:37	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			07/10/25 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/10/25 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		07/10/25 08:07	07/10/25 14:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/10/25 08:07	07/10/25 14:49	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-30-4

Lab Sample ID: 890-8422-31

Date Collected: 07/08/25 09:20

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:07	07/10/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/10/25 08:07	07/10/25 14:49	1
o-Terphenyl	115		70 - 130				07/10/25 08:07	07/10/25 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		10.0	0.395	mg/Kg	-		07/10/25 13:17	1

Client Sample ID: B-32-4

Lab Sample ID: 890-8422-32

Date Collected: 07/08/25 09:30

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:36	07/10/25 17:57	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/10/25 08:36	07/10/25 17:57	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg	-	07/10/25 08:36	07/10/25 17:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/10/25 08:36	07/10/25 17:57	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg	-	07/10/25 08:36	07/10/25 17:57	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg	-	07/10/25 08:36	07/10/25 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/10/25 08:36	07/10/25 17:57	1
1,4-Difluorobenzene (Surr)	120		70 - 130				07/10/25 08:36	07/10/25 17:57	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	-		07/10/25 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg	-		07/10/25 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	<49.9	U	49.9	14.5	mg/Kg	-	07/10/25 08:07	07/10/25 15:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg	-	07/10/25 08:07	07/10/25 15:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg	-	07/10/25 08:07	07/10/25 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/10/25 08:07	07/10/25 15:05	1
o-Terphenyl	115		70 - 130				07/10/25 08:07	07/10/25 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326		10.0	0.396	mg/Kg	-		07/10/25 13:25	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-33-4

Lab Sample ID: 890-8422-33

Date Collected: 07/08/25 09:40

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:36	07/10/25 18:17	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg	-	07/10/25 08:36	07/10/25 18:17	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg	-	07/10/25 08:36	07/10/25 18:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg	-	07/10/25 08:36	07/10/25 18:17	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg	-	07/10/25 08:36	07/10/25 18:17	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg	-	07/10/25 08:36	07/10/25 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/10/25 08:36	07/10/25 18:17	1
1,4-Difluorobenzene (Surr)	116		70 - 130	07/10/25 08:36	07/10/25 18:17	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	-		07/10/25 18:17	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	-		07/10/25 15:21	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	-	07/10/25 08:07	07/10/25 15:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg	-	07/10/25 08:07	07/10/25 15:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/10/25 08:07	07/10/25 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	07/10/25 08:07	07/10/25 15:21	1
o-Terphenyl	127		70 - 130	07/10/25 08:07	07/10/25 15:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		9.94	0.393	mg/Kg	-		07/10/25 13:32	1

Client Sample ID: B-35-4

Lab Sample ID: 890-8422-34

Date Collected: 07/08/25 09:50

Matrix: Solid

Date Received: 07/09/25 14:10

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	-	07/10/25 08:36	07/10/25 18:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/10/25 08:36	07/10/25 18:38	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg	-	07/10/25 08:36	07/10/25 18:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/10/25 08:36	07/10/25 18:38	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg	-	07/10/25 08:36	07/10/25 18:38	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg	-	07/10/25 08:36	07/10/25 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/10/25 08:36	07/10/25 18:38	1
1,4-Difluorobenzene (Surr)	122		70 - 130	07/10/25 08:36	07/10/25 18:38	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-35-4

Lab Sample ID: 890-8422-34

Date Collected: 07/08/25 09:50

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/10/25 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		07/10/25 08:07	07/10/25 15:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:07	07/10/25 15:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:07	07/10/25 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/10/25 08:07	07/10/25 15:36	1
o-Terphenyl	121		70 - 130				07/10/25 08:07	07/10/25 15:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	314		10.0	0.396	mg/Kg			07/10/25 14:29	1

Client Sample ID: B-37-4

Lab Sample ID: 890-8422-35

Date Collected: 07/08/25 10:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 18:58	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:36	07/10/25 18:58	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:36	07/10/25 18:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:36	07/10/25 18:58	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:36	07/10/25 18:58	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:36	07/10/25 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/10/25 08:36	07/10/25 18:58	1
1,4-Difluorobenzene (Surr)	118		70 - 130				07/10/25 08:36	07/10/25 18:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			07/10/25 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/10/25 15:52	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	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:07	07/10/25 15:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 15:52	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-37-4

Lab Sample ID: 890-8422-35

Date Collected: 07/08/25 10:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:07	07/10/25 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/10/25 08:07	07/10/25 15:52	1
o-Terphenyl	122		70 - 130				07/10/25 08:07	07/10/25 15:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	608		9.92	0.392	mg/Kg			07/10/25 14:51	1

Client Sample ID: B-38-4

Lab Sample ID: 890-8422-36

Date Collected: 07/08/25 10:30

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 19:19	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:36	07/10/25 19:19	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:36	07/10/25 19:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:36	07/10/25 19:19	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:36	07/10/25 19:19	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:36	07/10/25 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/10/25 08:36	07/10/25 19:19	1
1,4-Difluorobenzene (Surr)	114		70 - 130				07/10/25 08:36	07/10/25 19:19	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			07/10/25 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.6	J	49.8	15.1	mg/Kg			07/10/25 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:07	07/10/25 16:08	1
Diesel Range Organics (Over C10-C28)	15.6	J	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/10/25 08:07	07/10/25 16:08	1
o-Terphenyl	114		70 - 130				07/10/25 08:07	07/10/25 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		9.96	0.393	mg/Kg			07/10/25 14:58	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-40-4

Lab Sample ID: 890-8422-37

Date Collected: 07/08/25 10:40

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 19:39	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/10/25 08:36	07/10/25 19:39	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/10/25 08:36	07/10/25 19:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:36	07/10/25 19:39	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/10/25 08:36	07/10/25 19:39	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:36	07/10/25 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	07/10/25 08:36	07/10/25 19:39	1
1,4-Difluorobenzene (Surr)	119		70 - 130	07/10/25 08:36	07/10/25 19:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00229	mg/Kg			07/10/25 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/10/25 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:07	07/10/25 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/10/25 08:07	07/10/25 16:23	1
o-Terphenyl	118		70 - 130	07/10/25 08:07	07/10/25 16:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		9.94	0.393	mg/Kg			07/10/25 15:05	1

Client Sample ID: B-41-4

Lab Sample ID: 890-8422-38

Date Collected: 07/08/25 10:50

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 20:00	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:36	07/10/25 20:00	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:36	07/10/25 20:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:36	07/10/25 20:00	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:36	07/10/25 20:00	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:36	07/10/25 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/10/25 08:36	07/10/25 20:00	1
1,4-Difluorobenzene (Surr)	114		70 - 130	07/10/25 08:36	07/10/25 20:00	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-41-4

Lab Sample ID: 890-8422-38

Date Collected: 07/08/25 10:50

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/10/25 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		07/10/25 08:07	07/10/25 16:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				07/10/25 08:07	07/10/25 16:38	1
o-Terphenyl	88		70 - 130				07/10/25 08:07	07/10/25 16:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		9.92	0.392	mg/Kg			07/10/25 15:13	1

Client Sample ID: B-42-4

Lab Sample ID: 890-8422-39

Date Collected: 07/08/25 11:10

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 20:20	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/10/25 08:36	07/10/25 20:20	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/10/25 08:36	07/10/25 20:20	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00227	mg/Kg		07/10/25 08:36	07/10/25 20:20	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/10/25 08:36	07/10/25 20:20	1
Xylenes, Total	<0.00397	U	0.00397	0.00227	mg/Kg		07/10/25 08:36	07/10/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				07/10/25 08:36	07/10/25 20:20	1
1,4-Difluorobenzene (Surr)	122		70 - 130				07/10/25 08:36	07/10/25 20:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00227	mg/Kg			07/10/25 20:20	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	15.1	mg/Kg			07/10/25 16:54	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		07/10/25 08:07	07/10/25 16:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:54	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-42-4

Lab Sample ID: 890-8422-39

Date Collected: 07/08/25 11:10

Matrix: Solid

Date Received: 07/09/25 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:07	07/10/25 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/10/25 08:07	07/10/25 16:54	1
o-Terphenyl	119		70 - 130				07/10/25 08:07	07/10/25 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		10.1	0.398	mg/Kg			07/10/25 15:34	1

Client Sample ID: B-43-4

Lab Sample ID: 890-8422-40

Date Collected: 07/08/25 11:20

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:36	07/10/25 20:40	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:36	07/10/25 20:40	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:36	07/10/25 20:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:36	07/10/25 20:40	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/10/25 08:36	07/10/25 20:40	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:36	07/10/25 20:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/10/25 08:36	07/10/25 20:40	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/10/25 08:36	07/10/25 20:40	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			07/10/25 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/11/25 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		07/10/25 08:09	07/11/25 11:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/10/25 08:09	07/11/25 11:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/10/25 08:09	07/11/25 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/10/25 08:09	07/11/25 11:36	1
o-Terphenyl	96		70 - 130				07/10/25 08:09	07/11/25 11:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		9.94	0.393	mg/Kg			07/10/25 15:41	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-44-4

Lab Sample ID: 890-8422-41

Date Collected: 07/08/25 11:30

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 11:51	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:40	07/10/25 11:51	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:40	07/10/25 11:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:40	07/10/25 11:51	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/10/25 08:40	07/10/25 11:51	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:40	07/10/25 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	07/10/25 08:40	07/10/25 11:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/10/25 08:40	07/10/25 11:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00228	mg/Kg			07/10/25 11:51	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			07/11/25 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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:09	07/11/25 12:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 12:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/10/25 08:09	07/11/25 12:24	1
o-Terphenyl	99		70 - 130	07/10/25 08:09	07/11/25 12:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		9.96	0.393	mg/Kg			07/10/25 15:49	1

Client Sample ID: B-45-4

Lab Sample ID: 890-8422-42

Date Collected: 07/08/25 11:40

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 12:12	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:40	07/10/25 12:12	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:40	07/10/25 12:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:40	07/10/25 12:12	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/10/25 08:40	07/10/25 12:12	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:40	07/10/25 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/10/25 08:40	07/10/25 12:12	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/10/25 08:40	07/10/25 12:12	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-45-4
Date Collected: 07/08/25 11:40
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-42
Matrix: Solid

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	-		07/10/25 12:12	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	50.0	15.1	mg/Kg	-		07/11/25 12:40	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg	-	07/10/25 08:09	07/11/25 12:40	1	
Diesel Range Organics (Over C10-C28)	18.3	J	50.0	15.1	mg/Kg	-	07/10/25 08:09	07/11/25 12:40	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg	-	07/10/25 08:09	07/11/25 12:40	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130				07/10/25 08:09	07/11/25 12:40	1	
o-Terphenyl	102		70 - 130				07/10/25 08:09	07/11/25 12:40	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	118		9.92	0.392	mg/Kg	-		07/10/25 15:56	1	

Client Sample ID: B-46-4
Date Collected: 07/08/25 11:50
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-43
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/10/25 08:40	07/10/25 12:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:40	07/10/25 12:32	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:40	07/10/25 12:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:40	07/10/25 12:32	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:40	07/10/25 12:32	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 08:40	07/10/25 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				07/10/25 08:40	07/10/25 12:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/10/25 08:40	07/10/25 12:32	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			07/10/25 12:32	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			07/11/25 12:55	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	14.5	mg/Kg		07/10/25 08:09	07/11/25 12:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:09	07/11/25 12:55	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-46-4

Lab Sample ID: 890-8422-43

Date Collected: 07/08/25 11:50

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:09	07/11/25 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/10/25 08:09	07/11/25 12:55	1
o-Terphenyl	98		70 - 130				07/10/25 08:09	07/11/25 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.3		9.92	0.392	mg/Kg			07/10/25 16:03	1

Client Sample ID: B-47-4

Lab Sample ID: 890-8422-44

Date Collected: 07/08/25 12:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 12:53	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:40	07/10/25 12:53	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:40	07/10/25 12:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:40	07/10/25 12:53	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/10/25 08:40	07/10/25 12:53	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 08:40	07/10/25 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				07/10/25 08:40	07/10/25 12:53	1
1,4-Difluorobenzene (Surr)	84		70 - 130				07/10/25 08:40	07/10/25 12:53	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			07/10/25 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/11/25 13:11	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		07/10/25 08:09	07/11/25 13:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:09	07/11/25 13:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:09	07/11/25 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/10/25 08:09	07/11/25 13:11	1
o-Terphenyl	101		70 - 130				07/10/25 08:09	07/11/25 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.8		10.0	0.397	mg/Kg			07/10/25 16:10	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-48-12

Lab Sample ID: 890-8422-45

Date Collected: 07/08/25 12:10

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 13:13	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:40	07/10/25 13:13	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:40	07/10/25 13:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:40	07/10/25 13:13	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/10/25 08:40	07/10/25 13:13	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/10/25 08:40	07/10/25 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/10/25 08:40	07/10/25 13:13	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/10/25 08:40	07/10/25 13:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/10/25 13:13	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			07/11/25 13:27	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:09	07/11/25 13:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 13:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/10/25 08:09	07/11/25 13:27	1
o-Terphenyl	101		70 - 130	07/10/25 08:09	07/11/25 13:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		10.1	0.399	mg/Kg			07/10/25 16:32	1

Client Sample ID: B-49-12

Lab Sample ID: 890-8422-46

Date Collected: 07/08/25 12:40

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 14:27	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:40	07/10/25 14:27	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:40	07/10/25 14:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:40	07/10/25 14:27	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:40	07/10/25 14:27	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		07/10/25 08:40	07/10/25 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/10/25 08:40	07/10/25 14:27	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/10/25 08:40	07/10/25 14:27	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-49-12

Lab Sample ID: 890-8422-46

Date Collected: 07/08/25 12:40

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/10/25 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	<50.0	U	50.0	15.1	mg/Kg			07/11/25 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:09	07/11/25 13:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 13:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/10/25 08:09	07/11/25 13:43	1
o-Terphenyl	103		70 - 130				07/10/25 08:09	07/11/25 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.1		9.92	0.392	mg/Kg			07/10/25 16:39	1

Client Sample ID: B-50-12

Lab Sample ID: 890-8422-47

Date Collected: 07/08/25 12:50

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 14:48	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/10/25 08:40	07/10/25 14:48	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/10/25 08:40	07/10/25 14:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:40	07/10/25 14:48	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		07/10/25 08:40	07/10/25 14:48	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		07/10/25 08:40	07/10/25 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				07/10/25 08:40	07/10/25 14:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/10/25 08:40	07/10/25 14:48	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			07/10/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/11/25 13:58	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		07/10/25 08:09	07/11/25 13:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:09	07/11/25 13:58	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-50-12

Lab Sample ID: 890-8422-47

Date Collected: 07/08/25 12:50

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:09	07/11/25 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/10/25 08:09	07/11/25 13:58	1
o-Terphenyl	98		70 - 130				07/10/25 08:09	07/11/25 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		9.98	0.394	mg/Kg			07/10/25 17:00	1

Client Sample ID: B-53-4

Lab Sample ID: 890-8422-48

Date Collected: 07/08/25 13:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 15:08	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/10/25 08:40	07/10/25 15:08	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/10/25 08:40	07/10/25 15:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:40	07/10/25 15:08	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/10/25 08:40	07/10/25 15:08	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 08:40	07/10/25 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/10/25 08:40	07/10/25 15:08	1
1,4-Difluorobenzene (Surr)	77		70 - 130				07/10/25 08:40	07/10/25 15:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00229	mg/Kg			07/10/25 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			07/11/25 14:14	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		07/10/25 08:09	07/11/25 14:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:09	07/11/25 14:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		07/10/25 08:09	07/11/25 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/10/25 08:09	07/11/25 14:14	1
o-Terphenyl	96		70 - 130				07/10/25 08:09	07/11/25 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	414		10.0	0.395	mg/Kg			07/10/25 17:08	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-54--4

Lab Sample ID: 890-8422-49

Date Collected: 07/08/25 13:30

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:40	07/10/25 15:29	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/10/25 08:40	07/10/25 15:29	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		07/10/25 08:40	07/10/25 15:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:40	07/10/25 15:29	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		07/10/25 08:40	07/10/25 15:29	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		07/10/25 08:40	07/10/25 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	07/10/25 08:40	07/10/25 15:29	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/10/25 08:40	07/10/25 15:29	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			07/10/25 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/11/25 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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:09	07/11/25 14:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/10/25 08:09	07/11/25 14:30	1
o-Terphenyl	102		70 - 130	07/10/25 08:09	07/11/25 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		10.1	0.398	mg/Kg			07/10/25 17:15	1

Client Sample ID: B-31-5

Lab Sample ID: 890-8422-50

Date Collected: 07/09/25 13:40

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 15:05	07/11/25 00:22	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 15:05	07/11/25 00:22	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 15:05	07/11/25 00:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 15:05	07/11/25 00:22	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/10/25 15:05	07/11/25 00:22	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/10/25 15:05	07/11/25 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/10/25 15:05	07/11/25 00:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/10/25 15:05	07/11/25 00:22	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-31-5

Lab Sample ID: 890-8422-50

Date Collected: 07/09/25 13:40

Matrix: Solid

Date Received: 07/09/25 14:10

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			07/11/25 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/11/25 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/10/25 08:09	07/11/25 15:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:09	07/11/25 15:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/10/25 08:09	07/11/25 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/10/25 08:09	07/11/25 15:01	1
o-Terphenyl	100		70 - 130				07/10/25 08:09	07/11/25 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		9.94	0.393	mg/Kg			07/10/25 17:22	1

Client Sample ID: B-36-5

Lab Sample ID: 890-8422-51

Date Collected: 07/09/25 11:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 16:00	07/11/25 05:41	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 16:00	07/11/25 05:41	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 16:00	07/11/25 05:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 16:00	07/11/25 05:41	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 16:00	07/11/25 05:41	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/10/25 16:00	07/11/25 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				07/10/25 16:00	07/11/25 05:41	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/10/25 16:00	07/11/25 05:41	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			07/11/25 05:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/11/25 15:17	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	<49.7	U	49.7	14.4	mg/Kg		07/10/25 08:09	07/11/25 15:17	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/10/25 08:09	07/11/25 15:17	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-36-5

Lab Sample ID: 890-8422-51

Date Collected: 07/09/25 11:00

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 08:09	07/11/25 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/10/25 08:09	07/11/25 15:17	1
o-Terphenyl	100		70 - 130				07/10/25 08:09	07/11/25 15:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	437		9.96	0.393	mg/Kg			07/10/25 17:29	1

Client Sample ID: B-39-5

Lab Sample ID: 890-8422-52

Date Collected: 07/09/25 11:25

Matrix: Solid

Date Received: 07/09/25 14:10

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		07/10/25 16:00	07/11/25 06:02	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/10/25 16:00	07/11/25 06:02	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/10/25 16:00	07/11/25 06:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 16:00	07/11/25 06:02	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/10/25 16:00	07/11/25 06:02	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/10/25 16:00	07/11/25 06:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/10/25 16:00	07/11/25 06:02	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/10/25 16:00	07/11/25 06:02	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			07/11/25 06:02	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			07/11/25 15:32	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	<50.0	U	50.0	14.5	mg/Kg		07/10/25 08:09	07/11/25 15:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 15:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 08:09	07/11/25 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/10/25 08:09	07/11/25 15:32	1
o-Terphenyl	101		70 - 130				07/10/25 08:09	07/11/25 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	609		9.92	0.392	mg/Kg			07/10/25 17:37	1

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Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-8422-1	SW-5-0-4	114	94
890-8422-1 MS	SW-5-0-4	106	99
890-8422-1 MSD	SW-5-0-4	112	96
890-8422-2	B-1-4	114	85
890-8422-3	B-2-4	111	89
890-8422-4	B-3-4	114	85
890-8422-5	B-4-4	108	93
890-8422-6	B-5-4	111	87
890-8422-7	B-6-4	112	90
890-8422-8	B-7-4	106	92
890-8422-9	B-8-4	106	83
890-8422-10	B-9-4	113	89
890-8422-11	B-10-4	117	91
890-8422-12	B-11-4	111	92
890-8422-13	B-12-4	112	88
890-8422-14	B-13-4	112	86
890-8422-15	B-14-4	110	92
890-8422-16	B-15-4	109	94
890-8422-17	B-16-4	112	94
890-8422-18	B-17-9	126	82
890-8422-19	B-18-4	116	91
890-8422-20	B-19-8	119	85
890-8422-21	B-20-4	105	124
890-8422-21 MS	B-20-4	110	106
890-8422-21 MSD	B-20-4	108	104
890-8422-22	B-21-4	122	117
890-8422-23	B-22-4	122	115
890-8422-24	B-23-8	130	121
890-8422-25	B-24-8	130	116
890-8422-26	B-25-4	133 S1+	116
890-8422-27	B-26-4	130	123
890-8422-28	B-27-4	129	120
890-8422-29	B-28-4	130	121
890-8422-30	B-29-4	127	114
890-8422-31	B-30-4	95	108
890-8422-32	B-32-4	122	120
890-8422-33	B-33-4	124	116
890-8422-34	B-35-4	124	122
890-8422-35	B-37-4	119	118
890-8422-36	B-38-4	119	114
890-8422-37	B-40-4	123	119
890-8422-38	B-41-4	116	114
890-8422-39	B-42-4	129	122
890-8422-40	B-43-4	114	107
890-8422-41	B-44-4	88	97
890-8422-41 MS	B-44-4	108	90
890-8422-41 MSD	B-44-4	99	95
890-8422-42	B-45-4	95	81
890-8422-43	B-46-4	88	95

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Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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)
890-8422-44	B-47-4	100	84
890-8422-45	B-48-12	89	91
890-8422-46	B-49-12	90	96
890-8422-47	B-50-12	89	94
890-8422-48	B-53-4	96	77
890-8422-49	B-54-4	87	90
890-8422-50	B-31-5	98	93
890-8422-51	B-36-5	97	92
890-8422-52	B-39-5	98	91
LCS 880-113866/1-A	Lab Control Sample	103	101
LCS 880-113867/1-A	Lab Control Sample	105	111
LCS 880-113868/1-A	Lab Control Sample	115	106
LCS 880-113918/1-A	Lab Control Sample	105	99
LCSD 880-113866/2-A	Lab Control Sample Dup	113	95
LCSD 880-113867/2-A	Lab Control Sample Dup	105	113
LCSD 880-113868/2-A	Lab Control Sample Dup	98	87
LCSD 880-113918/2-A	Lab Control Sample Dup	98	102
MB 880-113862/5-A	Method Blank	101	88
MB 880-113866/5-A	Method Blank	103	94
MB 880-113867/5-A	Method Blank	164 S1+	102
MB 880-113868/5-A	Method Blank	80	91
MB 880-113918/5-A	Method Blank	98	84
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8422-1	SW-5-0-4	125	128
890-8422-2	B-1-4	120	124
890-8422-3	B-2-4	122	125
890-8422-4	B-3-4	122	125
890-8422-5	B-4-4	126	129
890-8422-6	B-5-4	115	118
890-8422-7	B-6-4	121	126
890-8422-8	B-7-4	118	120
890-8422-9	B-8-4	126	129
890-8422-10	B-9-4	119	121
890-8422-11	B-10-4	113	115
890-8422-12	B-11-4	119	122
890-8422-13	B-12-4	117	120
890-8422-14	B-13-4	114	116
890-8422-15	B-14-4	121	123
890-8422-16	B-15-4	124	126
890-8422-17	B-16-4	121	124
890-8422-18	B-17-9	129	132 S1+

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Surrogate Summary

Client: Arcadis US Inc.

Job ID: 890-8422-1

Project/Site: WLU 86

SDG: 30246541.00004

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)
890-8422-19	B-18-4	126	128
890-8422-20	B-19-8	113	120
890-8422-20 MS	B-19-8	112	127
890-8422-20 MSD	B-19-8	112	126
890-8422-21	B-20-4	114	122
890-8422-22	B-21-4	115	123
890-8422-23	B-22-4	115	123
890-8422-24	B-23-8	114	122
890-8422-25	B-24-8	113	121
890-8422-26	B-25-4	112	120
890-8422-27	B-26-4	117	126
890-8422-28	B-27-4	113	121
890-8422-29	B-28-4	116	123
890-8422-30	B-29-4	114	123
890-8422-31	B-30-4	108	115
890-8422-32	B-32-4	108	115
890-8422-33	B-33-4	119	127
890-8422-34	B-35-4	113	121
890-8422-35	B-37-4	115	122
890-8422-36	B-38-4	107	114
890-8422-37	B-40-4	110	118
890-8422-38	B-41-4	83	88
890-8422-39	B-42-4	112	119
890-8422-40	B-43-4	98	96
890-8422-40 MS	B-43-4	92	101
890-8422-40 MSD	B-43-4	92	98
890-8422-41	B-44-4	100	99
890-8422-42	B-45-4	101	102
890-8422-43	B-46-4	100	98
890-8422-44	B-47-4	102	101
890-8422-45	B-48-12	101	101
890-8422-46	B-49-12	103	103
890-8422-47	B-50-12	99	98
890-8422-48	B-53-4	97	96
890-8422-49	B-54--4	102	102
890-8422-50	B-31-5	101	100
890-8422-51	B-36-5	101	100
890-8422-52	B-39-5	102	101
LCS 880-113851/2-A	Lab Control Sample	103	114
LCS 880-113852/2-A	Lab Control Sample	122	139 S1+
LCS 880-113853/2-A	Lab Control Sample	122	110
LCSD 880-113851/3-A	Lab Control Sample Dup	102	112
LCSD 880-113852/3-A	Lab Control Sample Dup	122	138 S1+
LCSD 880-113853/3-A	Lab Control Sample Dup	99	110
MB 880-113851/1-A	Method Blank	83	84
MB 880-113852/1-A	Method Blank	92	97
MB 880-113853/1-A	Method Blank	94	96

Surrogate Legend

1CO = 1-Chlorooctane

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Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86
OTPH = o-Terphenyl

Job ID: 890-8422-1
SDG: 30246541.00004

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113862/5-A

Matrix: Solid

Analysis Batch: 113863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/10/25 08:28	07/10/25 11:34	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:28	07/10/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:28	07/10/25 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:28	07/10/25 11:34	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:28	07/10/25 11:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:28	07/10/25 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/10/25 08:28	07/10/25 11:34	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/10/25 08:28	07/10/25 11:34	1

Lab Sample ID: MB 880-113866/5-A

Matrix: Solid

Analysis Batch: 113861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/10/25 08:34	07/10/25 11:35	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:34	07/10/25 11:35	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:34	07/10/25 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:34	07/10/25 11:35	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:34	07/10/25 11:35	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:34	07/10/25 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/10/25 08:34	07/10/25 11:35	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/10/25 08:34	07/10/25 11:35	1

Lab Sample ID: LCS 880-113866/1-A

Matrix: Solid

Analysis Batch: 113861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08852		mg/Kg		89	70 - 130
Toluene	0.100	0.08769		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08641		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1695		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08620		mg/Kg		86	70 - 130

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

Lab Sample ID: LCSD 880-113866/2-A

Matrix: Solid

Analysis Batch: 113861

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113866

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08703		mg/Kg		87	70 - 130	2	35

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: LCSD 880-113866/2-A

Matrix: Solid

Analysis Batch: 113861

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113866

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.09493		mg/Kg		95	70 - 130	8		35
Ethylbenzene	0.100	0.09723		mg/Kg		97	70 - 130	12		35
m-Xylene & p-Xylene	0.200	0.1953		mg/Kg		98	70 - 130	14		35
o-Xylene	0.100	0.09936		mg/Kg		99	70 - 130	14		35

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

Lab Sample ID: 890-8422-1 MS

Matrix: Solid

Analysis Batch: 113861

Client Sample ID: SW-5-0-4

Prep Type: Total/NA

Prep Batch: 113866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U	0.0992	0.09011		mg/Kg		91	70 - 130			
Toluene	<0.00199	U	0.0992	0.08908		mg/Kg		90	70 - 130			
Ethylbenzene	<0.00199	U	0.0992	0.08746		mg/Kg		88	70 - 130			
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1705		mg/Kg		86	70 - 130			
o-Xylene	<0.00199	U	0.0992	0.08592		mg/Kg		87	70 - 130			

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

Lab Sample ID: 890-8422-1 MSD

Matrix: Solid

Analysis Batch: 113861

Client Sample ID: SW-5-0-4

Prep Type: Total/NA

Prep Batch: 113866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U	0.101	0.08987		mg/Kg		89	70 - 130	0		35
Toluene	<0.00199	U	0.101	0.09653		mg/Kg		96	70 - 130	8		35
Ethylbenzene	<0.00199	U	0.101	0.09736		mg/Kg		97	70 - 130	11		35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1931		mg/Kg		96	70 - 130	12		35
o-Xylene	<0.00199	U	0.101	0.09732		mg/Kg		97	70 - 130	12		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-113867/5-A

Matrix: Solid

Analysis Batch: 113865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113867

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/10/25 08:36	07/10/25 12:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:36	07/10/25 12:13	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:36	07/10/25 12:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:36	07/10/25 12:13	1

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: MB 880-113867/5-A

Matrix: Solid

Analysis Batch: 113865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113867

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:36	07/10/25 12:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:36	07/10/25 12:13	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130	07/10/25 08:36	07/10/25 12:13	1			
1,4-Difluorobenzene (Surr)	102		70 - 130	07/10/25 08:36	07/10/25 12:13	1			

Lab Sample ID: LCS 880-113867/1-A

Matrix: Solid

Analysis Batch: 113865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09878		mg/Kg		99	70 - 130
Toluene	0.100	0.08907		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09807		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1980		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130

Lab Sample ID: LCSD 880-113867/2-A

Matrix: Solid

Analysis Batch: 113865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113867

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.09958		mg/Kg		100	70 - 130	1	35
Toluene			0.100	0.09366		mg/Kg		94	70 - 130	5	35
Ethylbenzene			0.100	0.09544		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1993		mg/Kg		100	70 - 130	1	35
o-Xylene			0.100	0.1010		mg/Kg		101	70 - 130	1	35
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	113		70 - 130								

Lab Sample ID: 890-8422-21 MS

Matrix: Solid

Analysis Batch: 113865

Client Sample ID: B-20-4

Prep Type: Total/NA

Prep Batch: 113867

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00199	U	0.0992	0.08394		mg/Kg		85	70 - 130
Toluene	<0.00199	U	0.0992	0.08290		mg/Kg		84	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.09036		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1822		mg/Kg		92	70 - 130
o-Xylene	<0.00199	U	0.0992	0.09390		mg/Kg		95	70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: 890-8422-21 MS

Matrix: Solid

Analysis Batch: 113865

Client Sample ID: B-20-4

Prep Type: Total/NA

Prep Batch: 113867

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-8422-21 MSD

Matrix: Solid

Analysis Batch: 113865

Client Sample ID: B-20-4

Prep Type: Total/NA

Prep Batch: 113867

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09219		mg/Kg		91	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.08674		mg/Kg		86	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.101	0.08912		mg/Kg		88	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1946		mg/Kg		97	70 - 130	7	35
o-Xylene	<0.00199	U	0.101	0.1018		mg/Kg		101	70 - 130	8	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-113868/5-A

Matrix: Solid

Analysis Batch: 113864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/10/25 08:40	07/10/25 11:30	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 08:40	07/10/25 11:30	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 08:40	07/10/25 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:40	07/10/25 11:30	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 08:40	07/10/25 11:30	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 08:40	07/10/25 11:30	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	07/10/25 08:40	07/10/25 11:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/10/25 08:40	07/10/25 11:30	1

Lab Sample ID: LCS 880-113868/1-A

Matrix: Solid

Analysis Batch: 113864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09142		mg/Kg		91	70 - 130
Toluene	0.100	0.08731		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09538		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2082		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: LCS 880-113868/1-A

Matrix: Solid

Analysis Batch: 113864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113868

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

Lab Sample ID: LCSD 880-113868/2-A

Matrix: Solid

Analysis Batch: 113864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113868

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07141		mg/Kg		71	70 - 130	25	35
Toluene	0.100	0.08119		mg/Kg		81	70 - 130	7	35
Ethylbenzene	0.100	0.08942		mg/Kg		89	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1675		mg/Kg		84	70 - 130	22	35
o-Xylene	0.100	0.08455		mg/Kg		85	70 - 130	21	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-8422-41 MS

Matrix: Solid

Analysis Batch: 113864

Client Sample ID: B-44-4

Prep Type: Total/NA

Prep Batch: 113868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.07758		mg/Kg		78	70 - 130
Toluene	<0.00199	U	0.0992	0.07856		mg/Kg		79	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.07804		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1571		mg/Kg		79	70 - 130
o-Xylene	<0.00199	U	0.0992	0.08186		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-8422-41 MSD

Matrix: Solid

Analysis Batch: 113864

Client Sample ID: B-44-4

Prep Type: Total/NA

Prep Batch: 113868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07780		mg/Kg		77	70 - 130	0	35
Toluene	<0.00199	U	0.101	0.07763		mg/Kg		77	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.07851		mg/Kg		78	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1754		mg/Kg		87	70 - 130	11	35
o-Xylene	<0.00199	U	0.101	0.08645		mg/Kg		86	70 - 130	5	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: MB 880-113918/5-A

Matrix: Solid

Analysis Batch: 113863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/10/25 15:05	07/10/25 22:59	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/10/25 15:05	07/10/25 22:59	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/10/25 15:05	07/10/25 22:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 15:05	07/10/25 22:59	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/10/25 15:05	07/10/25 22:59	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/10/25 15:05	07/10/25 22:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/10/25 15:05	07/10/25 22:59	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/10/25 15:05	07/10/25 22:59	1

Lab Sample ID: LCS 880-113918/1-A

Matrix: Solid

Analysis Batch: 113863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08941		mg/Kg		89	70 - 130
Toluene	0.100	0.08635		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.09610		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1927		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09860		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-113918/2-A

Matrix: Solid

Analysis Batch: 113863

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113918

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09555		mg/Kg		96	70 - 130	7	35
Toluene	0.100	0.09359		mg/Kg		94	70 - 130	8	35
Ethylbenzene	0.100	0.1053		mg/Kg		105	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2124		mg/Kg		106	70 - 130	10	35
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: MB 880-113851/1-A

Matrix: Solid

Analysis Batch: 113880

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113851

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	22.46	J	50.0	14.5	mg/Kg		07/10/25 07:58	07/10/25 06:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 07:58	07/10/25 06:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 07:58	07/10/25 06:54	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	83		70 - 130				07/10/25 07:58	07/10/25 06:54	1
o-Terphenyl	84		70 - 130				07/10/25 07:58	07/10/25 06:54	1

Lab Sample ID: LCS 880-113851/2-A

Matrix: Solid

Analysis Batch: 113880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1163		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1176		mg/Kg		118	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	103		70 - 130				
o-Terphenyl	114		70 - 130				

Lab Sample ID: LCSD 880-113851/3-A

Matrix: Solid

Analysis Batch: 113880

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113851

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1154		mg/Kg		115	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1152		mg/Kg		115	70 - 130	2	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	102		70 - 130						
o-Terphenyl	112		70 - 130						

Lab Sample ID: MB 880-113852/1-A

Matrix: Solid

Analysis Batch: 113882

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113852

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/10/25 07:58	07/10/25 06:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 07:58	07/10/25 06:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 07:58	07/10/25 06:54	1

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: MB 880-113852/1-A
Matrix: Solid
Analysis Batch: 113882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113852

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	92		70 - 130	07/10/25 07:58	07/10/25 06:54	1
o-Terphenyl	97		70 - 130	07/10/25 07:58	07/10/25 06:54	1

Lab Sample ID: LCS 880-113852/2-A
Matrix: Solid
Analysis Batch: 113882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1008		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1183		mg/Kg		118	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	139	S1+	70 - 130

Lab Sample ID: LCSD 880-113852/3-A
Matrix: Solid
Analysis Batch: 113882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	984.4		mg/Kg		98	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1161		mg/Kg		116	70 - 130	2	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 890-8422-20 MS
Matrix: Solid
Analysis Batch: 113882

Client Sample ID: B-19-8
Prep Type: Total/NA
Prep Batch: 113852

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	996	982.3		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1071		mg/Kg		108	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	127		70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: 890-8422-20 MSD

Matrix: Solid

Analysis Batch: 113882

Client Sample ID: B-19-8

Prep Type: Total/NA

Prep Batch: 113852

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	996	981.4		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1067		mg/Kg		107	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	126		70 - 130								

Lab Sample ID: MB 880-113853/1-A

Matrix: Solid

Analysis Batch: 113978

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113853

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		07/10/25 07:58	07/11/25 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 07:58	07/11/25 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/10/25 07:58	07/11/25 09:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/10/25 07:58	07/11/25 09:41	1
o-Terphenyl	96		70 - 130				07/10/25 07:58	07/11/25 09:41	1

Lab Sample ID: LCS 880-113853/2-A

Matrix: Solid

Analysis Batch: 113978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1187		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1074		mg/Kg		107	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	122		70 - 130						
o-Terphenyl	110		70 - 130						

Lab Sample ID: LCSD 880-113853/3-A

Matrix: Solid

Analysis Batch: 113978

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113853

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1125		mg/Kg		113	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1126		mg/Kg		113	70 - 130	5	20

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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

Lab Sample ID: LCSD 880-113853/3-A

Matrix: Solid

Analysis Batch: 113978

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113853

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 890-8422-40 MS

Matrix: Solid

Analysis Batch: 113978

Client Sample ID: B-43-4

Prep Type: Total/NA

Prep Batch: 113853

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	995	1132		mg/Kg		114	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U	995	1176		mg/Kg		118	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	101		70 - 130							

Lab Sample ID: 890-8422-40 MSD

Matrix: Solid

Analysis Batch: 113978

Client Sample ID: B-43-4

Prep Type: Total/NA

Prep Batch: 113853

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	995	1101		mg/Kg		111	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.7	U	995	1129		mg/Kg		113	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	92		70 - 130									
o-Terphenyl	98		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113856/1-A

Matrix: Solid

Analysis Batch: 113870

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			07/10/25 09:56		1

Lab Sample ID: LCS 880-113856/2-A

Matrix: Solid

Analysis Batch: 113870

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	241.1		mg/Kg		96	90 - 110		

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-113856/3-A

Matrix: Solid

Analysis Batch: 113870

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	240.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-8422-14 MS

Matrix: Solid

Analysis Batch: 113870

Client Sample ID: B-13-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	154		252	390.5		mg/Kg		94	90 - 110		

Lab Sample ID: 890-8422-14 MSD

Matrix: Solid

Analysis Batch: 113870

Client Sample ID: B-13-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		252	396.7		mg/Kg		96	90 - 110	2	20

Lab Sample ID: 890-8422-24 MS

Matrix: Solid

Analysis Batch: 113870

Client Sample ID: B-23-8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	255	F1	252	543.9	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 890-8422-24 MSD

Matrix: Solid

Analysis Batch: 113870

Client Sample ID: B-23-8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	255	F1	252	540.9	F1	mg/Kg		114	90 - 110	1	20

Lab Sample ID: MB 880-113855/1-A

Matrix: Solid

Analysis Batch: 113871

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			07/10/25 09:45	1

Lab Sample ID: LCS 880-113855/2-A

Matrix: Solid

Analysis Batch: 113871

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.8		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-113855/3-A

Matrix: Solid

Analysis Batch: 113871

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	230.8		mg/Kg		92	90 - 110	1	20

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8422-4 MS

Matrix: Solid

Analysis Batch: 113871

Client Sample ID: B-3-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	131		249	402.5		mg/Kg		109	90 - 110

Lab Sample ID: 890-8422-4 MSD

Matrix: Solid

Analysis Batch: 113871

Client Sample ID: B-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	131		249	402.2		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-113877/1-A

Matrix: Solid

Analysis Batch: 113879

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			07/10/25 14:08	1

Lab Sample ID: LCS 880-113877/2-A

Matrix: Solid

Analysis Batch: 113879

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-113877/3-A

Matrix: Solid

Analysis Batch: 113879

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.6		mg/Kg		99	90 - 110	2	20

Lab Sample ID: 890-8422-34 MS

Matrix: Solid

Analysis Batch: 113879

Client Sample ID: B-35-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	314		251	550.6		mg/Kg		94	90 - 110

Lab Sample ID: 890-8422-34 MSD

Matrix: Solid

Analysis Batch: 113879

Client Sample ID: B-35-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	314		251	549.5		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-8422-44 MS

Matrix: Solid

Analysis Batch: 113879

Client Sample ID: B-47-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	95.8		251	324.5		mg/Kg		91	90 - 110

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8422-44 MSD							Client Sample ID: B-47-4					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 113879												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	95.8		251	327.8		mg/Kg		92	90 - 110	1	20	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC VOA

Analysis Batch: 113861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Total/NA	Solid	8021B	113866
890-8422-2	B-1-4	Total/NA	Solid	8021B	113866
890-8422-3	B-2-4	Total/NA	Solid	8021B	113866
890-8422-4	B-3-4	Total/NA	Solid	8021B	113866
890-8422-5	B-4-4	Total/NA	Solid	8021B	113866
890-8422-6	B-5-4	Total/NA	Solid	8021B	113866
890-8422-7	B-6-4	Total/NA	Solid	8021B	113866
890-8422-8	B-7-4	Total/NA	Solid	8021B	113866
890-8422-9	B-8-4	Total/NA	Solid	8021B	113866
890-8422-10	B-9-4	Total/NA	Solid	8021B	113866
890-8422-11	B-10-4	Total/NA	Solid	8021B	113866
890-8422-12	B-11-4	Total/NA	Solid	8021B	113866
890-8422-13	B-12-4	Total/NA	Solid	8021B	113866
890-8422-14	B-13-4	Total/NA	Solid	8021B	113866
890-8422-15	B-14-4	Total/NA	Solid	8021B	113866
890-8422-16	B-15-4	Total/NA	Solid	8021B	113866
890-8422-17	B-16-4	Total/NA	Solid	8021B	113866
890-8422-18	B-17-9	Total/NA	Solid	8021B	113866
890-8422-19	B-18-4	Total/NA	Solid	8021B	113866
890-8422-20	B-19-8	Total/NA	Solid	8021B	113866
MB 880-113866/5-A	Method Blank	Total/NA	Solid	8021B	113866
LCS 880-113866/1-A	Lab Control Sample	Total/NA	Solid	8021B	113866
LCSD 880-113866/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113866
890-8422-1 MS	SW-5-0-4	Total/NA	Solid	8021B	113866
890-8422-1 MSD	SW-5-0-4	Total/NA	Solid	8021B	113866

Prep Batch: 113862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113862/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 113863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-50	B-31-5	Total/NA	Solid	8021B	113918
890-8422-51	B-36-5	Total/NA	Solid	8021B	113918
890-8422-52	B-39-5	Total/NA	Solid	8021B	113918
MB 880-113862/5-A	Method Blank	Total/NA	Solid	8021B	113862
MB 880-113918/5-A	Method Blank	Total/NA	Solid	8021B	113918
LCS 880-113918/1-A	Lab Control Sample	Total/NA	Solid	8021B	113918
LCSD 880-113918/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113918

Analysis Batch: 113864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-41	B-44-4	Total/NA	Solid	8021B	113868
890-8422-42	B-45-4	Total/NA	Solid	8021B	113868
890-8422-43	B-46-4	Total/NA	Solid	8021B	113868
890-8422-44	B-47-4	Total/NA	Solid	8021B	113868
890-8422-45	B-48-12	Total/NA	Solid	8021B	113868
890-8422-46	B-49-12	Total/NA	Solid	8021B	113868
890-8422-47	B-50-12	Total/NA	Solid	8021B	113868
890-8422-48	B-53-4	Total/NA	Solid	8021B	113868
890-8422-49	B-54--4	Total/NA	Solid	8021B	113868

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC VOA (Continued)

Analysis Batch: 113864 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113868/5-A	Method Blank	Total/NA	Solid	8021B	113868
LCS 880-113868/1-A	Lab Control Sample	Total/NA	Solid	8021B	113868
LCSD 880-113868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113868
890-8422-41 MS	B-44-4	Total/NA	Solid	8021B	113868
890-8422-41 MSD	B-44-4	Total/NA	Solid	8021B	113868

Analysis Batch: 113865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-21	B-20-4	Total/NA	Solid	8021B	113867
890-8422-22	B-21-4	Total/NA	Solid	8021B	113867
890-8422-23	B-22-4	Total/NA	Solid	8021B	113867
890-8422-24	B-23-8	Total/NA	Solid	8021B	113867
890-8422-25	B-24-8	Total/NA	Solid	8021B	113867
890-8422-26	B-25-4	Total/NA	Solid	8021B	113867
890-8422-27	B-26-4	Total/NA	Solid	8021B	113867
890-8422-28	B-27-4	Total/NA	Solid	8021B	113867
890-8422-29	B-28-4	Total/NA	Solid	8021B	113867
890-8422-30	B-29-4	Total/NA	Solid	8021B	113867
890-8422-31	B-30-4	Total/NA	Solid	8021B	113867
890-8422-32	B-32-4	Total/NA	Solid	8021B	113867
890-8422-33	B-33-4	Total/NA	Solid	8021B	113867
890-8422-34	B-35-4	Total/NA	Solid	8021B	113867
890-8422-35	B-37-4	Total/NA	Solid	8021B	113867
890-8422-36	B-38-4	Total/NA	Solid	8021B	113867
890-8422-37	B-40-4	Total/NA	Solid	8021B	113867
890-8422-38	B-41-4	Total/NA	Solid	8021B	113867
890-8422-39	B-42-4	Total/NA	Solid	8021B	113867
890-8422-40	B-43-4	Total/NA	Solid	8021B	113867
MB 880-113867/5-A	Method Blank	Total/NA	Solid	8021B	113867
LCS 880-113867/1-A	Lab Control Sample	Total/NA	Solid	8021B	113867
LCSD 880-113867/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113867
890-8422-21 MS	B-20-4	Total/NA	Solid	8021B	113867
890-8422-21 MSD	B-20-4	Total/NA	Solid	8021B	113867

Prep Batch: 113866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Total/NA	Solid	5030B	
890-8422-2	B-1-4	Total/NA	Solid	5030B	
890-8422-3	B-2-4	Total/NA	Solid	5030B	
890-8422-4	B-3-4	Total/NA	Solid	5030B	
890-8422-5	B-4-4	Total/NA	Solid	5030B	
890-8422-6	B-5-4	Total/NA	Solid	5030B	
890-8422-7	B-6-4	Total/NA	Solid	5030B	
890-8422-8	B-7-4	Total/NA	Solid	5030B	
890-8422-9	B-8-4	Total/NA	Solid	5030B	
890-8422-10	B-9-4	Total/NA	Solid	5030B	
890-8422-11	B-10-4	Total/NA	Solid	5030B	
890-8422-12	B-11-4	Total/NA	Solid	5030B	
890-8422-13	B-12-4	Total/NA	Solid	5030B	
890-8422-14	B-13-4	Total/NA	Solid	5030B	
890-8422-15	B-14-4	Total/NA	Solid	5030B	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC VOA (Continued)

Prep Batch: 113866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-16	B-15-4	Total/NA	Solid	5030B	
890-8422-17	B-16-4	Total/NA	Solid	5030B	
890-8422-18	B-17-9	Total/NA	Solid	5030B	
890-8422-19	B-18-4	Total/NA	Solid	5030B	
890-8422-20	B-19-8	Total/NA	Solid	5030B	
MB 880-113866/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113866/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113866/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8422-1 MS	SW-5-0-4	Total/NA	Solid	5030B	
890-8422-1 MSD	SW-5-0-4	Total/NA	Solid	5030B	

Prep Batch: 113867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-21	B-20-4	Total/NA	Solid	5030B	
890-8422-22	B-21-4	Total/NA	Solid	5030B	
890-8422-23	B-22-4	Total/NA	Solid	5030B	
890-8422-24	B-23-8	Total/NA	Solid	5030B	
890-8422-25	B-24-8	Total/NA	Solid	5030B	
890-8422-26	B-25-4	Total/NA	Solid	5030B	
890-8422-27	B-26-4	Total/NA	Solid	5030B	
890-8422-28	B-27-4	Total/NA	Solid	5030B	
890-8422-29	B-28-4	Total/NA	Solid	5030B	
890-8422-30	B-29-4	Total/NA	Solid	5030B	
890-8422-31	B-30-4	Total/NA	Solid	5030B	
890-8422-32	B-32-4	Total/NA	Solid	5030B	
890-8422-33	B-33-4	Total/NA	Solid	5030B	
890-8422-34	B-35-4	Total/NA	Solid	5030B	
890-8422-35	B-37-4	Total/NA	Solid	5030B	
890-8422-36	B-38-4	Total/NA	Solid	5030B	
890-8422-37	B-40-4	Total/NA	Solid	5030B	
890-8422-38	B-41-4	Total/NA	Solid	5030B	
890-8422-39	B-42-4	Total/NA	Solid	5030B	
890-8422-40	B-43-4	Total/NA	Solid	5030B	
MB 880-113867/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113867/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113867/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8422-21 MS	B-20-4	Total/NA	Solid	5030B	
890-8422-21 MSD	B-20-4	Total/NA	Solid	5030B	

Prep Batch: 113868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-41	B-44-4	Total/NA	Solid	5030B	
890-8422-42	B-45-4	Total/NA	Solid	5030B	
890-8422-43	B-46-4	Total/NA	Solid	5030B	
890-8422-44	B-47-4	Total/NA	Solid	5030B	
890-8422-45	B-48-12	Total/NA	Solid	5030B	
890-8422-46	B-49-12	Total/NA	Solid	5030B	
890-8422-47	B-50-12	Total/NA	Solid	5030B	
890-8422-48	B-53-4	Total/NA	Solid	5030B	
890-8422-49	B-54-4	Total/NA	Solid	5030B	
MB 880-113868/5-A	Method Blank	Total/NA	Solid	5030B	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC VOA (Continued)

Prep Batch: 113868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-113868/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113868/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
890-8422-41 MS	B-44-4	Total/NA	Solid	5030B	
890-8422-41 MSD	B-44-4	Total/NA	Solid	5030B	

Prep Batch: 113918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-50	B-31-5	Total/NA	Solid	5030B	
890-8422-51	B-36-5	Total/NA	Solid	5030B	
890-8422-52	B-39-5	Total/NA	Solid	5030B	
MB 880-113918/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113918/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113918/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 113933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Total/NA	Solid	Total BTEX	
890-8422-2	B-1-4	Total/NA	Solid	Total BTEX	
890-8422-3	B-2-4	Total/NA	Solid	Total BTEX	
890-8422-4	B-3-4	Total/NA	Solid	Total BTEX	
890-8422-5	B-4-4	Total/NA	Solid	Total BTEX	
890-8422-6	B-5-4	Total/NA	Solid	Total BTEX	
890-8422-7	B-6-4	Total/NA	Solid	Total BTEX	
890-8422-8	B-7-4	Total/NA	Solid	Total BTEX	
890-8422-9	B-8-4	Total/NA	Solid	Total BTEX	
890-8422-10	B-9-4	Total/NA	Solid	Total BTEX	
890-8422-11	B-10-4	Total/NA	Solid	Total BTEX	
890-8422-12	B-11-4	Total/NA	Solid	Total BTEX	
890-8422-13	B-12-4	Total/NA	Solid	Total BTEX	
890-8422-14	B-13-4	Total/NA	Solid	Total BTEX	
890-8422-15	B-14-4	Total/NA	Solid	Total BTEX	
890-8422-16	B-15-4	Total/NA	Solid	Total BTEX	
890-8422-17	B-16-4	Total/NA	Solid	Total BTEX	
890-8422-18	B-17-9	Total/NA	Solid	Total BTEX	
890-8422-19	B-18-4	Total/NA	Solid	Total BTEX	
890-8422-20	B-19-8	Total/NA	Solid	Total BTEX	
890-8422-21	B-20-4	Total/NA	Solid	Total BTEX	
890-8422-22	B-21-4	Total/NA	Solid	Total BTEX	
890-8422-23	B-22-4	Total/NA	Solid	Total BTEX	
890-8422-24	B-23-8	Total/NA	Solid	Total BTEX	
890-8422-25	B-24-8	Total/NA	Solid	Total BTEX	
890-8422-26	B-25-4	Total/NA	Solid	Total BTEX	
890-8422-27	B-26-4	Total/NA	Solid	Total BTEX	
890-8422-28	B-27-4	Total/NA	Solid	Total BTEX	
890-8422-29	B-28-4	Total/NA	Solid	Total BTEX	
890-8422-30	B-29-4	Total/NA	Solid	Total BTEX	
890-8422-31	B-30-4	Total/NA	Solid	Total BTEX	
890-8422-32	B-32-4	Total/NA	Solid	Total BTEX	
890-8422-33	B-33-4	Total/NA	Solid	Total BTEX	
890-8422-34	B-35-4	Total/NA	Solid	Total BTEX	
890-8422-35	B-37-4	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC VOA (Continued)

Analysis Batch: 113933 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-36	B-38-4	Total/NA	Solid	Total BTEX	
890-8422-37	B-40-4	Total/NA	Solid	Total BTEX	
890-8422-38	B-41-4	Total/NA	Solid	Total BTEX	
890-8422-39	B-42-4	Total/NA	Solid	Total BTEX	
890-8422-40	B-43-4	Total/NA	Solid	Total BTEX	
890-8422-41	B-44-4	Total/NA	Solid	Total BTEX	
890-8422-42	B-45-4	Total/NA	Solid	Total BTEX	
890-8422-43	B-46-4	Total/NA	Solid	Total BTEX	
890-8422-44	B-47-4	Total/NA	Solid	Total BTEX	
890-8422-45	B-48-12	Total/NA	Solid	Total BTEX	
890-8422-46	B-49-12	Total/NA	Solid	Total BTEX	
890-8422-47	B-50-12	Total/NA	Solid	Total BTEX	
890-8422-48	B-53-4	Total/NA	Solid	Total BTEX	
890-8422-49	B-54-4	Total/NA	Solid	Total BTEX	
890-8422-50	B-31-5	Total/NA	Solid	Total BTEX	
890-8422-51	B-36-5	Total/NA	Solid	Total BTEX	
890-8422-52	B-39-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Total/NA	Solid	8015NM Prep	
890-8422-2	B-1-4	Total/NA	Solid	8015NM Prep	
890-8422-3	B-2-4	Total/NA	Solid	8015NM Prep	
890-8422-4	B-3-4	Total/NA	Solid	8015NM Prep	
890-8422-5	B-4-4	Total/NA	Solid	8015NM Prep	
890-8422-6	B-5-4	Total/NA	Solid	8015NM Prep	
890-8422-7	B-6-4	Total/NA	Solid	8015NM Prep	
890-8422-8	B-7-4	Total/NA	Solid	8015NM Prep	
890-8422-9	B-8-4	Total/NA	Solid	8015NM Prep	
890-8422-10	B-9-4	Total/NA	Solid	8015NM Prep	
890-8422-11	B-10-4	Total/NA	Solid	8015NM Prep	
890-8422-12	B-11-4	Total/NA	Solid	8015NM Prep	
890-8422-13	B-12-4	Total/NA	Solid	8015NM Prep	
890-8422-14	B-13-4	Total/NA	Solid	8015NM Prep	
890-8422-15	B-14-4	Total/NA	Solid	8015NM Prep	
890-8422-16	B-15-4	Total/NA	Solid	8015NM Prep	
890-8422-17	B-16-4	Total/NA	Solid	8015NM Prep	
890-8422-18	B-17-9	Total/NA	Solid	8015NM Prep	
890-8422-19	B-18-4	Total/NA	Solid	8015NM Prep	
MB 880-113851/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113851/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113851/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 113852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-20	B-19-8	Total/NA	Solid	8015NM Prep	
890-8422-21	B-20-4	Total/NA	Solid	8015NM Prep	
890-8422-22	B-21-4	Total/NA	Solid	8015NM Prep	
890-8422-23	B-22-4	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC Semi VOA (Continued)

Prep Batch: 113852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-24	B-23-8	Total/NA	Solid	8015NM Prep	
890-8422-25	B-24-8	Total/NA	Solid	8015NM Prep	
890-8422-26	B-25-4	Total/NA	Solid	8015NM Prep	
890-8422-27	B-26-4	Total/NA	Solid	8015NM Prep	
890-8422-28	B-27-4	Total/NA	Solid	8015NM Prep	
890-8422-29	B-28-4	Total/NA	Solid	8015NM Prep	
890-8422-30	B-29-4	Total/NA	Solid	8015NM Prep	
890-8422-31	B-30-4	Total/NA	Solid	8015NM Prep	
890-8422-32	B-32-4	Total/NA	Solid	8015NM Prep	
890-8422-33	B-33-4	Total/NA	Solid	8015NM Prep	
890-8422-34	B-35-4	Total/NA	Solid	8015NM Prep	
890-8422-35	B-37-4	Total/NA	Solid	8015NM Prep	
890-8422-36	B-38-4	Total/NA	Solid	8015NM Prep	
890-8422-37	B-40-4	Total/NA	Solid	8015NM Prep	
890-8422-38	B-41-4	Total/NA	Solid	8015NM Prep	
890-8422-39	B-42-4	Total/NA	Solid	8015NM Prep	
MB 880-113852/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113852/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113852/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8422-20 MS	B-19-8	Total/NA	Solid	8015NM Prep	
890-8422-20 MSD	B-19-8	Total/NA	Solid	8015NM Prep	

Prep Batch: 113853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-40	B-43-4	Total/NA	Solid	8015NM Prep	
890-8422-41	B-44-4	Total/NA	Solid	8015NM Prep	
890-8422-42	B-45-4	Total/NA	Solid	8015NM Prep	
890-8422-43	B-46-4	Total/NA	Solid	8015NM Prep	
890-8422-44	B-47-4	Total/NA	Solid	8015NM Prep	
890-8422-45	B-48-12	Total/NA	Solid	8015NM Prep	
890-8422-46	B-49-12	Total/NA	Solid	8015NM Prep	
890-8422-47	B-50-12	Total/NA	Solid	8015NM Prep	
890-8422-48	B-53-4	Total/NA	Solid	8015NM Prep	
890-8422-49	B-54--4	Total/NA	Solid	8015NM Prep	
890-8422-50	B-31-5	Total/NA	Solid	8015NM Prep	
890-8422-51	B-36-5	Total/NA	Solid	8015NM Prep	
890-8422-52	B-39-5	Total/NA	Solid	8015NM Prep	
MB 880-113853/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113853/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113853/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8422-40 MS	B-43-4	Total/NA	Solid	8015NM Prep	
890-8422-40 MSD	B-43-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Total/NA	Solid	8015B NM	113851
890-8422-2	B-1-4	Total/NA	Solid	8015B NM	113851
890-8422-3	B-2-4	Total/NA	Solid	8015B NM	113851
890-8422-4	B-3-4	Total/NA	Solid	8015B NM	113851
890-8422-5	B-4-4	Total/NA	Solid	8015B NM	113851
890-8422-6	B-5-4	Total/NA	Solid	8015B NM	113851

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC Semi VOA (Continued)

Analysis Batch: 113880 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-7	B-6-4	Total/NA	Solid	8015B NM	113851
890-8422-8	B-7-4	Total/NA	Solid	8015B NM	113851
890-8422-9	B-8-4	Total/NA	Solid	8015B NM	113851
890-8422-10	B-9-4	Total/NA	Solid	8015B NM	113851
890-8422-11	B-10-4	Total/NA	Solid	8015B NM	113851
890-8422-12	B-11-4	Total/NA	Solid	8015B NM	113851
890-8422-13	B-12-4	Total/NA	Solid	8015B NM	113851
890-8422-14	B-13-4	Total/NA	Solid	8015B NM	113851
890-8422-15	B-14-4	Total/NA	Solid	8015B NM	113851
890-8422-16	B-15-4	Total/NA	Solid	8015B NM	113851
890-8422-17	B-16-4	Total/NA	Solid	8015B NM	113851
890-8422-18	B-17-9	Total/NA	Solid	8015B NM	113851
890-8422-19	B-18-4	Total/NA	Solid	8015B NM	113851
MB 880-113851/1-A	Method Blank	Total/NA	Solid	8015B NM	113851
LCS 880-113851/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113851
LCSD 880-113851/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113851

Analysis Batch: 113882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-20	B-19-8	Total/NA	Solid	8015B NM	113852
890-8422-21	B-20-4	Total/NA	Solid	8015B NM	113852
890-8422-22	B-21-4	Total/NA	Solid	8015B NM	113852
890-8422-23	B-22-4	Total/NA	Solid	8015B NM	113852
890-8422-24	B-23-8	Total/NA	Solid	8015B NM	113852
890-8422-25	B-24-8	Total/NA	Solid	8015B NM	113852
890-8422-26	B-25-4	Total/NA	Solid	8015B NM	113852
890-8422-27	B-26-4	Total/NA	Solid	8015B NM	113852
890-8422-28	B-27-4	Total/NA	Solid	8015B NM	113852
890-8422-29	B-28-4	Total/NA	Solid	8015B NM	113852
890-8422-30	B-29-4	Total/NA	Solid	8015B NM	113852
890-8422-31	B-30-4	Total/NA	Solid	8015B NM	113852
890-8422-32	B-32-4	Total/NA	Solid	8015B NM	113852
890-8422-33	B-33-4	Total/NA	Solid	8015B NM	113852
890-8422-34	B-35-4	Total/NA	Solid	8015B NM	113852
890-8422-35	B-37-4	Total/NA	Solid	8015B NM	113852
890-8422-36	B-38-4	Total/NA	Solid	8015B NM	113852
890-8422-37	B-40-4	Total/NA	Solid	8015B NM	113852
890-8422-38	B-41-4	Total/NA	Solid	8015B NM	113852
890-8422-39	B-42-4	Total/NA	Solid	8015B NM	113852
MB 880-113852/1-A	Method Blank	Total/NA	Solid	8015B NM	113852
LCS 880-113852/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113852
LCSD 880-113852/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113852
890-8422-20 MS	B-19-8	Total/NA	Solid	8015B NM	113852
890-8422-20 MSD	B-19-8	Total/NA	Solid	8015B NM	113852

Analysis Batch: 113916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Total/NA	Solid	8015 NM	
890-8422-2	B-1-4	Total/NA	Solid	8015 NM	
890-8422-3	B-2-4	Total/NA	Solid	8015 NM	
890-8422-4	B-3-4	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC Semi VOA (Continued)

Analysis Batch: 113916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-5	B-4-4	Total/NA	Solid	8015 NM	
890-8422-6	B-5-4	Total/NA	Solid	8015 NM	
890-8422-7	B-6-4	Total/NA	Solid	8015 NM	
890-8422-8	B-7-4	Total/NA	Solid	8015 NM	
890-8422-9	B-8-4	Total/NA	Solid	8015 NM	
890-8422-10	B-9-4	Total/NA	Solid	8015 NM	
890-8422-11	B-10-4	Total/NA	Solid	8015 NM	
890-8422-12	B-11-4	Total/NA	Solid	8015 NM	
890-8422-13	B-12-4	Total/NA	Solid	8015 NM	
890-8422-14	B-13-4	Total/NA	Solid	8015 NM	
890-8422-15	B-14-4	Total/NA	Solid	8015 NM	
890-8422-16	B-15-4	Total/NA	Solid	8015 NM	
890-8422-17	B-16-4	Total/NA	Solid	8015 NM	
890-8422-18	B-17-9	Total/NA	Solid	8015 NM	
890-8422-19	B-18-4	Total/NA	Solid	8015 NM	
890-8422-20	B-19-8	Total/NA	Solid	8015 NM	
890-8422-21	B-20-4	Total/NA	Solid	8015 NM	
890-8422-22	B-21-4	Total/NA	Solid	8015 NM	
890-8422-23	B-22-4	Total/NA	Solid	8015 NM	
890-8422-24	B-23-8	Total/NA	Solid	8015 NM	
890-8422-25	B-24-8	Total/NA	Solid	8015 NM	
890-8422-26	B-25-4	Total/NA	Solid	8015 NM	
890-8422-27	B-26-4	Total/NA	Solid	8015 NM	
890-8422-28	B-27-4	Total/NA	Solid	8015 NM	
890-8422-29	B-28-4	Total/NA	Solid	8015 NM	
890-8422-30	B-29-4	Total/NA	Solid	8015 NM	
890-8422-31	B-30-4	Total/NA	Solid	8015 NM	
890-8422-32	B-32-4	Total/NA	Solid	8015 NM	
890-8422-33	B-33-4	Total/NA	Solid	8015 NM	
890-8422-34	B-35-4	Total/NA	Solid	8015 NM	
890-8422-35	B-37-4	Total/NA	Solid	8015 NM	
890-8422-36	B-38-4	Total/NA	Solid	8015 NM	
890-8422-37	B-40-4	Total/NA	Solid	8015 NM	
890-8422-38	B-41-4	Total/NA	Solid	8015 NM	
890-8422-39	B-42-4	Total/NA	Solid	8015 NM	
890-8422-40	B-43-4	Total/NA	Solid	8015 NM	
890-8422-41	B-44-4	Total/NA	Solid	8015 NM	
890-8422-42	B-45-4	Total/NA	Solid	8015 NM	
890-8422-43	B-46-4	Total/NA	Solid	8015 NM	
890-8422-44	B-47-4	Total/NA	Solid	8015 NM	
890-8422-45	B-48-12	Total/NA	Solid	8015 NM	
890-8422-46	B-49-12	Total/NA	Solid	8015 NM	
890-8422-47	B-50-12	Total/NA	Solid	8015 NM	
890-8422-48	B-53-4	Total/NA	Solid	8015 NM	
890-8422-49	B-54--4	Total/NA	Solid	8015 NM	
890-8422-50	B-31-5	Total/NA	Solid	8015 NM	
890-8422-51	B-36-5	Total/NA	Solid	8015 NM	
890-8422-52	B-39-5	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

GC Semi VOA

Analysis Batch: 113978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-40	B-43-4	Total/NA	Solid	8015B NM	113853
890-8422-41	B-44-4	Total/NA	Solid	8015B NM	113853
890-8422-42	B-45-4	Total/NA	Solid	8015B NM	113853
890-8422-43	B-46-4	Total/NA	Solid	8015B NM	113853
890-8422-44	B-47-4	Total/NA	Solid	8015B NM	113853
890-8422-45	B-48-12	Total/NA	Solid	8015B NM	113853
890-8422-46	B-49-12	Total/NA	Solid	8015B NM	113853
890-8422-47	B-50-12	Total/NA	Solid	8015B NM	113853
890-8422-48	B-53-4	Total/NA	Solid	8015B NM	113853
890-8422-49	B-54--4	Total/NA	Solid	8015B NM	113853
890-8422-50	B-31-5	Total/NA	Solid	8015B NM	113853
890-8422-51	B-36-5	Total/NA	Solid	8015B NM	113853
890-8422-52	B-39-5	Total/NA	Solid	8015B NM	113853
MB 880-113853/1-A	Method Blank	Total/NA	Solid	8015B NM	113853
LCS 880-113853/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113853
LCSD 880-113853/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113853
890-8422-40 MS	B-43-4	Total/NA	Solid	8015B NM	113853
890-8422-40 MSD	B-43-4	Total/NA	Solid	8015B NM	113853

HPLC/IC

Leach Batch: 113855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Soluble	Solid	DI Leach	
890-8422-2	B-1-4	Soluble	Solid	DI Leach	
890-8422-3	B-2-4	Soluble	Solid	DI Leach	
890-8422-4	B-3-4	Soluble	Solid	DI Leach	
890-8422-5	B-4-4	Soluble	Solid	DI Leach	
890-8422-6	B-5-4	Soluble	Solid	DI Leach	
890-8422-7	B-6-4	Soluble	Solid	DI Leach	
890-8422-8	B-7-4	Soluble	Solid	DI Leach	
890-8422-9	B-8-4	Soluble	Solid	DI Leach	
890-8422-10	B-9-4	Soluble	Solid	DI Leach	
890-8422-11	B-10-4	Soluble	Solid	DI Leach	
890-8422-12	B-11-4	Soluble	Solid	DI Leach	
890-8422-13	B-12-4	Soluble	Solid	DI Leach	
MB 880-113855/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113855/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113855/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8422-4 MS	B-3-4	Soluble	Solid	DI Leach	
890-8422-4 MSD	B-3-4	Soluble	Solid	DI Leach	

Leach Batch: 113856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-14	B-13-4	Soluble	Solid	DI Leach	
890-8422-15	B-14-4	Soluble	Solid	DI Leach	
890-8422-16	B-15-4	Soluble	Solid	DI Leach	
890-8422-17	B-16-4	Soluble	Solid	DI Leach	
890-8422-18	B-17-9	Soluble	Solid	DI Leach	
890-8422-19	B-18-4	Soluble	Solid	DI Leach	
890-8422-20	B-19-8	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

HPLC/IC (Continued)

Leach Batch: 113856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-21	B-20-4	Soluble	Solid	DI Leach	
890-8422-22	B-21-4	Soluble	Solid	DI Leach	
890-8422-23	B-22-4	Soluble	Solid	DI Leach	
890-8422-24	B-23-8	Soluble	Solid	DI Leach	
890-8422-25	B-24-8	Soluble	Solid	DI Leach	
890-8422-26	B-25-4	Soluble	Solid	DI Leach	
890-8422-27	B-26-4	Soluble	Solid	DI Leach	
890-8422-28	B-27-4	Soluble	Solid	DI Leach	
890-8422-29	B-28-4	Soluble	Solid	DI Leach	
890-8422-30	B-29-4	Soluble	Solid	DI Leach	
890-8422-31	B-30-4	Soluble	Solid	DI Leach	
890-8422-32	B-32-4	Soluble	Solid	DI Leach	
890-8422-33	B-33-4	Soluble	Solid	DI Leach	
MB 880-113856/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113856/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113856/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8422-14 MS	B-13-4	Soluble	Solid	DI Leach	
890-8422-14 MSD	B-13-4	Soluble	Solid	DI Leach	
890-8422-24 MS	B-23-8	Soluble	Solid	DI Leach	
890-8422-24 MSD	B-23-8	Soluble	Solid	DI Leach	

Analysis Batch: 113870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-14	B-13-4	Soluble	Solid	300.0	113856
890-8422-15	B-14-4	Soluble	Solid	300.0	113856
890-8422-16	B-15-4	Soluble	Solid	300.0	113856
890-8422-17	B-16-4	Soluble	Solid	300.0	113856
890-8422-18	B-17-9	Soluble	Solid	300.0	113856
890-8422-19	B-18-4	Soluble	Solid	300.0	113856
890-8422-20	B-19-8	Soluble	Solid	300.0	113856
890-8422-21	B-20-4	Soluble	Solid	300.0	113856
890-8422-22	B-21-4	Soluble	Solid	300.0	113856
890-8422-23	B-22-4	Soluble	Solid	300.0	113856
890-8422-24	B-23-8	Soluble	Solid	300.0	113856
890-8422-25	B-24-8	Soluble	Solid	300.0	113856
890-8422-26	B-25-4	Soluble	Solid	300.0	113856
890-8422-27	B-26-4	Soluble	Solid	300.0	113856
890-8422-28	B-27-4	Soluble	Solid	300.0	113856
890-8422-29	B-28-4	Soluble	Solid	300.0	113856
890-8422-30	B-29-4	Soluble	Solid	300.0	113856
890-8422-31	B-30-4	Soluble	Solid	300.0	113856
890-8422-32	B-32-4	Soluble	Solid	300.0	113856
890-8422-33	B-33-4	Soluble	Solid	300.0	113856
MB 880-113856/1-A	Method Blank	Soluble	Solid	300.0	113856
LCS 880-113856/2-A	Lab Control Sample	Soluble	Solid	300.0	113856
LCSD 880-113856/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113856
890-8422-14 MS	B-13-4	Soluble	Solid	300.0	113856
890-8422-14 MSD	B-13-4	Soluble	Solid	300.0	113856
890-8422-24 MS	B-23-8	Soluble	Solid	300.0	113856
890-8422-24 MSD	B-23-8	Soluble	Solid	300.0	113856

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

HPLC/IC

Analysis Batch: 113871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-1	SW-5-0-4	Soluble	Solid	300.0	113855
890-8422-2	B-1-4	Soluble	Solid	300.0	113855
890-8422-3	B-2-4	Soluble	Solid	300.0	113855
890-8422-4	B-3-4	Soluble	Solid	300.0	113855
890-8422-5	B-4-4	Soluble	Solid	300.0	113855
890-8422-6	B-5-4	Soluble	Solid	300.0	113855
890-8422-7	B-6-4	Soluble	Solid	300.0	113855
890-8422-8	B-7-4	Soluble	Solid	300.0	113855
890-8422-9	B-8-4	Soluble	Solid	300.0	113855
890-8422-10	B-9-4	Soluble	Solid	300.0	113855
890-8422-11	B-10-4	Soluble	Solid	300.0	113855
890-8422-12	B-11-4	Soluble	Solid	300.0	113855
890-8422-13	B-12-4	Soluble	Solid	300.0	113855
MB 880-113855/1-A	Method Blank	Soluble	Solid	300.0	113855
LCS 880-113855/2-A	Lab Control Sample	Soluble	Solid	300.0	113855
LCSD 880-113855/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113855
890-8422-4 MS	B-3-4	Soluble	Solid	300.0	113855
890-8422-4 MSD	B-3-4	Soluble	Solid	300.0	113855

Leach Batch: 113877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-34	B-35-4	Soluble	Solid	DI Leach	
890-8422-35	B-37-4	Soluble	Solid	DI Leach	
890-8422-36	B-38-4	Soluble	Solid	DI Leach	
890-8422-37	B-40-4	Soluble	Solid	DI Leach	
890-8422-38	B-41-4	Soluble	Solid	DI Leach	
890-8422-39	B-42-4	Soluble	Solid	DI Leach	
890-8422-40	B-43-4	Soluble	Solid	DI Leach	
890-8422-41	B-44-4	Soluble	Solid	DI Leach	
890-8422-42	B-45-4	Soluble	Solid	DI Leach	
890-8422-43	B-46-4	Soluble	Solid	DI Leach	
890-8422-44	B-47-4	Soluble	Solid	DI Leach	
890-8422-45	B-48-12	Soluble	Solid	DI Leach	
890-8422-46	B-49-12	Soluble	Solid	DI Leach	
890-8422-47	B-50-12	Soluble	Solid	DI Leach	
890-8422-48	B-53-4	Soluble	Solid	DI Leach	
890-8422-49	B-54--4	Soluble	Solid	DI Leach	
890-8422-50	B-31-5	Soluble	Solid	DI Leach	
890-8422-51	B-36-5	Soluble	Solid	DI Leach	
890-8422-52	B-39-5	Soluble	Solid	DI Leach	
MB 880-113877/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113877/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113877/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8422-34 MS	B-35-4	Soluble	Solid	DI Leach	
890-8422-34 MSD	B-35-4	Soluble	Solid	DI Leach	
890-8422-44 MS	B-47-4	Soluble	Solid	DI Leach	
890-8422-44 MSD	B-47-4	Soluble	Solid	DI Leach	

Analysis Batch: 113879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-34	B-35-4	Soluble	Solid	300.0	113877

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

HPLC/IC (Continued)

Analysis Batch: 113879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8422-35	B-37-4	Soluble	Solid	300.0	113877
890-8422-36	B-38-4	Soluble	Solid	300.0	113877
890-8422-37	B-40-4	Soluble	Solid	300.0	113877
890-8422-38	B-41-4	Soluble	Solid	300.0	113877
890-8422-39	B-42-4	Soluble	Solid	300.0	113877
890-8422-40	B-43-4	Soluble	Solid	300.0	113877
890-8422-41	B-44-4	Soluble	Solid	300.0	113877
890-8422-42	B-45-4	Soluble	Solid	300.0	113877
890-8422-43	B-46-4	Soluble	Solid	300.0	113877
890-8422-44	B-47-4	Soluble	Solid	300.0	113877
890-8422-45	B-48-12	Soluble	Solid	300.0	113877
890-8422-46	B-49-12	Soluble	Solid	300.0	113877
890-8422-47	B-50-12	Soluble	Solid	300.0	113877
890-8422-48	B-53-4	Soluble	Solid	300.0	113877
890-8422-49	B-54--4	Soluble	Solid	300.0	113877
890-8422-50	B-31-5	Soluble	Solid	300.0	113877
890-8422-51	B-36-5	Soluble	Solid	300.0	113877
890-8422-52	B-39-5	Soluble	Solid	300.0	113877
MB 880-113877/1-A	Method Blank	Soluble	Solid	300.0	113877
LCS 880-113877/2-A	Lab Control Sample	Soluble	Solid	300.0	113877
LCSD 880-113877/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113877
890-8422-34 MS	B-35-4	Soluble	Solid	300.0	113877
890-8422-34 MSD	B-35-4	Soluble	Solid	300.0	113877
890-8422-44 MS	B-47-4	Soluble	Solid	300.0	113877
890-8422-44 MSD	B-47-4	Soluble	Solid	300.0	113877

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: SW-5-0-4
Date Collected: 07/07/25 00:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-1
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 11:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 11:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 11:54	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 11:04	CS	EET MID

Client Sample ID: B-1-4
Date Collected: 07/07/25 09:30
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-2
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 12:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 12:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 12:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 11:10	CS	EET MID

Client Sample ID: B-2-4
Date Collected: 07/07/25 09:40
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-3
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 12:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 12:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 12:26	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 11:15	CS	EET MID

Client Sample ID: B-3-4
Date Collected: 07/07/25 09:50
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-4
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 12:58	SA	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-3-4
Date Collected: 07/07/25 09:50
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-4
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			113916	07/10/25 12:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 12:41	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 11:21	CS	EET MID

Client Sample ID: B-4-4
Date Collected: 07/07/25 10:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-5
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 13:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 12:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 12:57	TKC	EET MID
Soluble	Leach	DI Leach			504 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 11:38	CS	EET MID

Client Sample ID: B-5-4
Date Collected: 07/07/25 10:15
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-6
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			4.96 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 13:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 13:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 13:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 11:44	CS	EET MID

Client Sample ID: B-6-4
Date Collected: 07/07/25 10:25
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-7
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			5.02 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 13:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 13:29	TKC	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-6-4
Date Collected: 07/07/25 10:25
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-7
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			4.98 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 12:01	CS	EET MID

Client Sample ID: B-7-4
Date Collected: 07/07/25 10:30
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-8
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			4.98 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 14:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 13:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 13:44	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 12:06	CS	EET MID

Client Sample ID: B-8-4
Date Collected: 07/07/25 10:35
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 14:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 14:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 14:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 12:12	CS	EET MID

Client Sample ID: B-9-4
Date Collected: 07/07/25 10:45
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-10
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 15:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 14:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 14:33	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 12:18	CS	EET MID

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-10-4
Date Collected: 07/07/25 10:55
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-11
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			4.96 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 16:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 14:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 14:49	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 12:23	CS	EET MID

Client Sample ID: B-11-4
Date Collected: 07/07/25 11:10
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 16:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 16:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 15:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 15:05	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 12:29	CS	EET MID

Client Sample ID: B-12-4
Date Collected: 07/07/25 11:20
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-13
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 17:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 15:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 15:21	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113855	07/10/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1			113871	07/10/25 12:35	CS	EET MID

Client Sample ID: B-13-4
Date Collected: 07/07/25 11:30
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-14
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			4.99 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 17:36	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-13-4

Lab Sample ID: 890-8422-14

Date Collected: 07/07/25 11:30

Matrix: Solid

Date Received: 07/09/25 14:10

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			113916	07/10/25 15:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 15:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 10:17	CS	EET MID

Client Sample ID: B-14-4

Lab Sample ID: 890-8422-15

Date Collected: 07/07/25 11:40

Matrix: Solid

Date Received: 07/09/25 14:10

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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 17:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 15:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 15:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 10:39	CS	EET MID

Client Sample ID: B-15-4

Lab Sample ID: 890-8422-16

Date Collected: 07/07/25 11:50

Matrix: Solid

Date Received: 07/09/25 14:10

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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 18:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 16:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 10:46	CS	EET MID

Client Sample ID: B-16-4

Lab Sample ID: 890-8422-17

Date Collected: 07/07/25 12:00

Matrix: Solid

Date Received: 07/09/25 14:10

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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 18:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 16:23	TKC	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-16-4
Date Collected: 07/07/25 12:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 10:53	CS	EET MID

Client Sample ID: B-17-9
Date Collected: 07/08/25 12:10
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-18
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	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 18:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 16:38	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 11:00	CS	EET MID

Client Sample ID: B-18-4
Date Collected: 07/07/25 12:20
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-19
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			5.04 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 19:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113851	07/10/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113880	07/10/25 16:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 11:22	CS	EET MID

Client Sample ID: B-19-8
Date Collected: 07/07/25 12:30
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	113866	07/10/25 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113861	07/10/25 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 19:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 11:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 11:07	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 11:29	CS	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-20-4

Lab Sample ID: 890-8422-21

Date Collected: 07/07/25 12:40

Matrix: Solid

Date Received: 07/09/25 14:10

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 12:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 11:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 11:54	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 11:37	CS	EET MID

Client Sample ID: B-21-4

Lab Sample ID: 890-8422-22

Date Collected: 07/07/25 13:00

Matrix: Solid

Date Received: 07/09/25 14:10

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 13:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 12:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 12:10	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 11:44	CS	EET MID

Client Sample ID: B-22-4

Lab Sample ID: 890-8422-23

Date Collected: 07/07/25 13:10

Matrix: Solid

Date Received: 07/09/25 14:10

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 13:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 12:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 12:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 11:51	CS	EET MID

Client Sample ID: B-23-8

Lab Sample ID: 890-8422-24

Date Collected: 07/07/25 13:20

Matrix: Solid

Date Received: 07/09/25 14:10

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 13:43	SA	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-23-8
Date Collected: 07/07/25 13:20
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113916	07/10/25 12:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 12:41	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 11:58	CS	EET MID

Client Sample ID: B-24-8
Date Collected: 07/07/25 13:30
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-25
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			5.03 g	5 mL	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 14:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 12:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 12:57	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 12:20	CS	EET MID

Client Sample ID: B-25-4
Date Collected: 07/07/25 13:40
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-26
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			4.96 g	5 mL	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 14:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 13:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 13:13	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 12:27	CS	EET MID

Client Sample ID: B-26-4
Date Collected: 07/07/25 13:50
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-27
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			5.02 g	5 mL	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 14:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 13:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 13:29	TKC	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-26-4
Date Collected: 07/07/25 13:50
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-27
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			5.04 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 12:49	CS	EET MID

Client Sample ID: B-27-4
Date Collected: 07/08/25 14:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-28
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			4.98 g	5 mL	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 15:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 13:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 13:44	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 12:56	CS	EET MID

Client Sample ID: B-28-4
Date Collected: 07/08/25 09:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.95 g	5 mL	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 15:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 15:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 14:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 14:00	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 13:03	CS	EET MID

Client Sample ID: B-29-4
Date Collected: 07/08/25 09:10
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 15:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 15:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 14:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 14:33	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 13:10	CS	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-30-4**Lab Sample ID: 890-8422-31****Date Collected: 07/08/25 09:20****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 17:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 17:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 14:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 14:49	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 13:17	CS	EET MID

Client Sample ID: B-32-4**Lab Sample ID: 890-8422-32****Date Collected: 07/08/25 09:30****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 17:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 15:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 15:05	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 13:25	CS	EET MID

Client Sample ID: B-33-4**Lab Sample ID: 890-8422-33****Date Collected: 07/08/25 09:40****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 18:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 15:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 15:21	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113856	07/10/25 08:05	SA	EET MID
Soluble	Analysis	300.0		1			113870	07/10/25 13:32	CS	EET MID

Client Sample ID: B-35-4**Lab Sample ID: 890-8422-34****Date Collected: 07/08/25 09:50****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 18:38	SA	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-35-4

Lab Sample ID: 890-8422-34

Date Collected: 07/08/25 09:50

Matrix: Solid

Date Received: 07/09/25 14:10

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			113916	07/10/25 15:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 15:36	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 14:29	CS	EET MID

Client Sample ID: B-37-4

Lab Sample ID: 890-8422-35

Date Collected: 07/08/25 10:00

Matrix: Solid

Date Received: 07/09/25 14:10

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 18:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 15:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 15:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 14:51	CS	EET MID

Client Sample ID: B-38-4

Lab Sample ID: 890-8422-36

Date Collected: 07/08/25 10:30

Matrix: Solid

Date Received: 07/09/25 14:10

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 19:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 16:08	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 14:58	CS	EET MID

Client Sample ID: B-40-4

Lab Sample ID: 890-8422-37

Date Collected: 07/08/25 10:40

Matrix: Solid

Date Received: 07/09/25 14:10

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 19:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 16:23	TKC	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-40-4**Lab Sample ID: 890-8422-37****Date Collected: 07/08/25 10:40****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 15:05	CS	EET MID

Client Sample ID: B-41-4**Lab Sample ID: 890-8422-38****Date Collected: 07/08/25 10:50****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 20:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 16:38	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 15:13	CS	EET MID

Client Sample ID: B-42-4**Lab Sample ID: 890-8422-39****Date Collected: 07/08/25 11:10****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 20:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/10/25 16:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113852	07/10/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113882	07/10/25 16:54	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 15:34	CS	EET MID

Client Sample ID: B-43-4**Lab Sample ID: 890-8422-40****Date Collected: 07/08/25 11:20****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113867	07/10/25 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113865	07/10/25 20:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 20:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 11:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 11:36	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 15:41	CS	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-44-4
Date Collected: 07/08/25 11:30
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 11:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 11:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 12:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 12:24	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 15:49	CS	EET MID

Client Sample ID: B-45-4
Date Collected: 07/08/25 11:40
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.99 g	5 mL	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 12:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 12:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 12:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 12:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 15:56	CS	EET MID

Client Sample ID: B-46-4
Date Collected: 07/08/25 11:50
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 12:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 12:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 12:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 16:03	CS	EET MID

Client Sample ID: B-47-4
Date Collected: 07/08/25 12:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-44
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			4.99 g	5 mL	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 12:53	SA	EET MID

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Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-47-4
Date Collected: 07/08/25 12:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113916	07/11/25 13:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 13:11	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 16:10	CS	EET MID

Client Sample ID: B-48-12
Date Collected: 07/08/25 12:10
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 13:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 13:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 13:27	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 16:32	CS	EET MID

Client Sample ID: B-49-12
Date Collected: 07/08/25 12:40
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.96 g	5 mL	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 14:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 13:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 13:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 16:39	CS	EET MID

Client Sample ID: B-50-12
Date Collected: 07/08/25 12:50
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 14:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 13:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 13:58	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-50-12**Lab Sample ID: 890-8422-47****Date Collected: 07/08/25 12:50****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 17:00	CS	EET MID

Client Sample ID: B-53-4**Lab Sample ID: 890-8422-48****Date Collected: 07/08/25 13:00****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 15:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 14:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 14:14	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 17:08	CS	EET MID

Client Sample ID: B-54--4**Lab Sample ID: 890-8422-49****Date Collected: 07/08/25 13:30****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113868	07/10/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113864	07/10/25 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/10/25 15:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 14:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 14:30	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 17:15	CS	EET MID

Client Sample ID: B-31-5**Lab Sample ID: 890-8422-50****Date Collected: 07/09/25 13:40****Matrix: Solid****Date Received: 07/09/25 14:10**

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	113918	07/10/25 15:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113863	07/11/25 00:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/11/25 00:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 15:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 15:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 17:22	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Client Sample ID: B-36-5
Date Collected: 07/09/25 11:00
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	113918	07/10/25 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113863	07/11/25 05:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/11/25 05:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 15:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 15:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 17:29	CS	EET MID

Client Sample ID: B-39-5
Date Collected: 07/09/25 11:25
Date Received: 07/09/25 14:10

Lab Sample ID: 890-8422-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	113918	07/10/25 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113863	07/11/25 06:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113933	07/11/25 06:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			113916	07/11/25 15:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113853	07/10/25 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 15:32	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113877	07/10/25 10:04	SA	EET MID
Soluble	Analysis	300.0		1			113879	07/10/25 17:37	CS	EET MID

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

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

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: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 890-8422-1
SDG: 30246541.00004

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8422-1	SW-5-0-4	Solid	07/07/25 00:00	07/09/25 14:10
890-8422-2	B-1-4	Solid	07/07/25 09:30	07/09/25 14:10
890-8422-3	B-2-4	Solid	07/07/25 09:40	07/09/25 14:10
890-8422-4	B-3-4	Solid	07/07/25 09:50	07/09/25 14:10
890-8422-5	B-4-4	Solid	07/07/25 10:00	07/09/25 14:10
890-8422-6	B-5-4	Solid	07/07/25 10:15	07/09/25 14:10
890-8422-7	B-6-4	Solid	07/07/25 10:25	07/09/25 14:10
890-8422-8	B-7-4	Solid	07/07/25 10:30	07/09/25 14:10
890-8422-9	B-8-4	Solid	07/07/25 10:35	07/09/25 14:10
890-8422-10	B-9-4	Solid	07/07/25 10:45	07/09/25 14:10
890-8422-11	B-10-4	Solid	07/07/25 10:55	07/09/25 14:10
890-8422-12	B-11-4	Solid	07/07/25 11:10	07/09/25 14:10
890-8422-13	B-12-4	Solid	07/07/25 11:20	07/09/25 14:10
890-8422-14	B-13-4	Solid	07/07/25 11:30	07/09/25 14:10
890-8422-15	B-14-4	Solid	07/07/25 11:40	07/09/25 14:10
890-8422-16	B-15-4	Solid	07/07/25 11:50	07/09/25 14:10
890-8422-17	B-16-4	Solid	07/07/25 12:00	07/09/25 14:10
890-8422-18	B-17-9	Solid	07/08/25 12:10	07/09/25 14:10
890-8422-19	B-18-4	Solid	07/07/25 12:20	07/09/25 14:10
890-8422-20	B-19-8	Solid	07/07/25 12:30	07/09/25 14:10
890-8422-21	B-20-4	Solid	07/07/25 12:40	07/09/25 14:10
890-8422-22	B-21-4	Solid	07/07/25 13:00	07/09/25 14:10
890-8422-23	B-22-4	Solid	07/07/25 13:10	07/09/25 14:10
890-8422-24	B-23-8	Solid	07/07/25 13:20	07/09/25 14:10
890-8422-25	B-24-8	Solid	07/07/25 13:30	07/09/25 14:10
890-8422-26	B-25-4	Solid	07/07/25 13:40	07/09/25 14:10
890-8422-27	B-26-4	Solid	07/07/25 13:50	07/09/25 14:10
890-8422-28	B-27-4	Solid	07/08/25 14:00	07/09/25 14:10
890-8422-29	B-28-4	Solid	07/08/25 09:00	07/09/25 14:10
890-8422-30	B-29-4	Solid	07/08/25 09:10	07/09/25 14:10
890-8422-31	B-30-4	Solid	07/08/25 09:20	07/09/25 14:10
890-8422-32	B-32-4	Solid	07/08/25 09:30	07/09/25 14:10
890-8422-33	B-33-4	Solid	07/08/25 09:40	07/09/25 14:10
890-8422-34	B-35-4	Solid	07/08/25 09:50	07/09/25 14:10
890-8422-35	B-37-4	Solid	07/08/25 10:00	07/09/25 14:10
890-8422-36	B-38-4	Solid	07/08/25 10:30	07/09/25 14:10
890-8422-37	B-40-4	Solid	07/08/25 10:40	07/09/25 14:10
890-8422-38	B-41-4	Solid	07/08/25 10:50	07/09/25 14:10
890-8422-39	B-42-4	Solid	07/08/25 11:10	07/09/25 14:10
890-8422-40	B-43-4	Solid	07/08/25 11:20	07/09/25 14:10
890-8422-41	B-44-4	Solid	07/08/25 11:30	07/09/25 14:10
890-8422-42	B-45-4	Solid	07/08/25 11:40	07/09/25 14:10
890-8422-43	B-46-4	Solid	07/08/25 11:50	07/09/25 14:10
890-8422-44	B-47-4	Solid	07/08/25 12:00	07/09/25 14:10
890-8422-45	B-48-12	Solid	07/08/25 12:10	07/09/25 14:10
890-8422-46	B-49-12	Solid	07/08/25 12:40	07/09/25 14:10
890-8422-47	B-50-12	Solid	07/08/25 12:50	07/09/25 14:10
890-8422-48	B-53-4	Solid	07/08/25 13:00	07/09/25 14:10
890-8422-49	B-54-4	Solid	07/08/25 13:30	07/09/25 14:10
890-8422-50	B-31-5	Solid	07/09/25 13:40	07/09/25 14:10
890-8422-51	B-36-5	Solid	07/09/25 11:00	07/09/25 14:10
890-8422-52	B-39-5	Solid	07/09/25 11:25	07/09/25 14:10



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing

Work Order No: _____

www.xenco.com Page 2 of 6

Project Manager:	Morgan Jordan	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	281-644-9437	Email:	douglas.jordan@arcadis.com

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

[illegible]

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										

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		2		3	7/9/25 1410
3		4		5	
5		6			

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 6

Project Manager:	Morgan Jordan	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	281-644-9437	Email:	douglas.jordan@arcadis.com

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

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes					
Project Number:		☐ Routine ☒ Rush		Due Date:																		None: NO DI Water: H ₂ O			
Project Location:		TAT starts the day received by the lab, if received by 4:30pm																				Cool: Cool MeOH: Me			
Sampler's Name:																						HCL: HC HNO ₃ : HN			
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Wet Ice:																		H ₃ PO ₄ : HP			
Samples Received Intact:		Thermometer ID:																				NaHSO ₄ : NABIS			
Cooler Custody Seals:		Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Temperature Reading:																				Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC			
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																	Sample Comments	
B-20-4'		G	07/07/25	1300		C	1	Chloride	BTEX	TPH															
B-21-4'				1310			1	X	X	X															
B-22-4'				1320			1	X	X	X															
B-23-8'				1330			1	X	X	X															
B-24-8'				1340			1	X	X	X															
B-25-4'				1350			1	X	X	X															
B-26-4'			X	1400			1	X	X	X															
B-27-4'			07/08/25	0900			1	X	X	X															
B-28-4'				0910			1	X	X	X															
B-29-4'		X	X	0920		X	1	X	X	X															

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010:	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	7/9/25 1410	2		
3			4		
5			6		



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing

Work Order No: _____

www.xenco.com Page 4 of 6

Project Manager:	Morgan Jordan	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	281-644-9437	Email:	douglas.jordan@arcadis.com

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

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes								
Project Number:		☐ Routine ☒ Rush		Pres. Code																	None: NO DI Water: H ₂ O							
Project Location:		Due Date:																			Cool: Cool MeOH: Me							
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm																			HCL: HC HNO ₃ : HN							
PO #:																					H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:			Yes No		Wet Ice:		Yes No																		H ₃ PO ₄ : HP	
Samples Received Intact:		Yes No		Thermometer ID:																						NaHSO ₄ : NABIS		
Cooler Custody Seals:		Yes No N/A		Correction Factor:																						Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Yes No N/A		Temperature Reading:																						Zn Acetate+NaOH: Zn		
Total Containers:				Corrected Temperature:																						NaOH+Ascorbic Acid: SAPC		
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride	BTEX	TPH																	Sample Comments	
B-30-4'		S	07/08/25	0930		C	1	X	X	X																		
B-32-4'				0940			1	X	X	X																		
B-33-4'				0950			1	X	X	X																		
B-35-4'				1000			1	X	X	X																		
B-37-4'				1030			1	X	X	X																		
B-38-4'				1040			1	X	X	X																		
B-40-4'				1050			1	X	X	X																		
B-41-4'				1110			1	X	X	X																		
B-42-4'				1120			1	X	X	X																		
B-43-4'		X	X	1130		X	1	X	X	X																		

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										

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		2		3	7/9/25 1410
4		5		6	
7		8		9	
10		11		12	

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 5 of 6

Project Manager:	Morgan Jordan	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	281-644-9437	Email:	douglas.jordan@arcadis.com

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

Project Name:		WLU 86		Turn Around		ANALYSIS REQUEST																Preservative Codes					
Project Number:		30246541.00004		☐ Routine ☒ Rush		Pres. Code																		None: NO DI Water: H ₂ O			
Project Location:		Lea County, NM		Due Date:		2-DAY																		Cool: Cool MeOH: Me			
Sampler's Name:		Luis ESPARZA		TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC HNO ₃ : HN					
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																		H ₃ PO ₄ : HP	
Samples Received Intact:		Yes No		Thermometer ID:																				NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No N/A		Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No N/A		Temperature Reading:																				Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC			
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Chloride	BTEX	TPH																Sample Comments	
B-44-4'		S	07/08/25	1140		C	1																				
B-45-4'				1150			1																				
B-46-4'				1200			1																				
B-47-4'				1210			1																				
B-48-12'				1240			1																				
B-49-12'				1250			1																				
B-50-12'				1300			1																				
B-53-4'				1330			1																				
B-54-4'			X	1340			1																				
B-31-5'		X	07/09/25	1100		X	1																				

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1 <i>[Signature]</i>		<i>[Signature]</i>		7/9/25 1410		2					
3						4					
5						6					

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8422-1

SDG Number: 30246541.00004

Login Number: 8422

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 890-8422-1

SDG Number: 30246541.00004

Login Number: 8422

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 07/10/25 08:32 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
98 San Jacinto Blvd.
Suite 414
Austin, Texas 78701

Generated 7/3/2025 11:24:03 AM

JOB DESCRIPTION

WLU 86
30246541.00004

JOB NUMBER

880-59916-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/3/2025 11:24:03 AM

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

Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 880-59916-1
SDG: 30246541.00004

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: WLU 86

Job ID: 880-59916-1

Job ID: 880-59916-1

Eurofins Midland

Job Narrative 880-59916-1

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 7/1/2025 11:51 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

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: (LCSD 880-113421/3-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: (LCS 880-113465/2-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 880-113465 and analytical batch 880-113520 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 880-113514 and analytical batch 880-113518 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.

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-1-0-4'

Lab Sample ID: 880-59916-1

Date Collected: 06/30/25 13:30

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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	-	07/01/25 12:54	07/01/25 22:44	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/01/25 12:54	07/01/25 22:44	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/01/25 12:54	07/01/25 22:44	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/01/25 12:54	07/01/25 22:44	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/01/25 12:54	07/01/25 22:44	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/01/25 12:54	07/01/25 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/01/25 12:54	07/01/25 22:44	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/01/25 12:54	07/01/25 22:44	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	-		07/01/25 22:44	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	-		07/02/25 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	<14.5	U	49.8	14.5	mg/Kg	-	07/01/25 13:27	07/02/25 09:54	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg	-	07/01/25 13:27	07/02/25 09:54	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg	-	07/01/25 13:27	07/02/25 09:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	07/01/25 13:27	07/02/25 09:54	1
o-Terphenyl	114		70 - 130	07/01/25 13:27	07/02/25 09:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		9.96	0.393	mg/Kg	-		07/02/25 11:31	1

Client Sample ID: SW-2-0-4'

Lab Sample ID: 880-59916-2

Date Collected: 06/30/25 10:15

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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	-	07/01/25 12:54	07/01/25 23:04	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/01/25 12:54	07/01/25 23:04	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/01/25 12:54	07/01/25 23:04	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/01/25 12:54	07/01/25 23:04	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/01/25 12:54	07/01/25 23:04	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/01/25 12:54	07/01/25 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/01/25 12:54	07/01/25 23:04	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-2-0-4'

Lab Sample ID: 880-59916-2

Date Collected: 06/30/25 10:15

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	07/01/25 12:54	07/01/25 23:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/01/25 23:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.1	15.1	mg/Kg			07/02/25 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	50.1	14.5	mg/Kg		07/01/25 13:27	07/02/25 11:44	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		07/01/25 13:27	07/02/25 11:44	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		07/01/25 13:27	07/02/25 11:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/01/25 13:27	07/02/25 11:44	1
o-Terphenyl	121		70 - 130				07/01/25 13:27	07/02/25 11:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.7	F1	10.0	0.397	mg/Kg			07/02/25 11:36	1

Client Sample ID: SW-3-0-4'

Lab Sample ID: 880-59916-3

Date Collected: 06/30/25 10:30

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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		07/01/25 12:54	07/01/25 23:25	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/01/25 12:54	07/01/25 23:25	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/01/25 12:54	07/01/25 23:25	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		07/01/25 12:54	07/01/25 23:25	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		07/01/25 12:54	07/01/25 23:25	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		07/01/25 12:54	07/01/25 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/01/25 12:54	07/01/25 23:25	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/01/25 12:54	07/01/25 23:25	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			07/01/25 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.4	J	49.9	15.1	mg/Kg			07/02/25 12:00	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-3-0-4'

Lab Sample ID: 880-59916-3

Date Collected: 06/30/25 10:30

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

Method: SW846 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	-	07/01/25 13:27	07/02/25 12:00	1
Diesel Range Organics (Over C10-C28)	16.4	J	49.9	15.1	mg/Kg	-	07/01/25 13:27	07/02/25 12:00	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg	-	07/01/25 13:27	07/02/25 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/01/25 13:27	07/02/25 12:00	1
o-Terphenyl	122		70 - 130				07/01/25 13:27	07/02/25 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.3		9.98	0.394	mg/Kg	-		07/02/25 11:53	1

Client Sample ID: SW-4-0-4'

Lab Sample ID: 880-59916-4

Date Collected: 06/30/25 11:00

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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	-	07/01/25 12:54	07/01/25 23:45	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/01/25 12:54	07/01/25 23:45	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg	-	07/01/25 12:54	07/01/25 23:45	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg	-	07/01/25 12:54	07/01/25 23:45	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg	-	07/01/25 12:54	07/01/25 23:45	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg	-	07/01/25 12:54	07/01/25 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/01/25 12:54	07/01/25 23:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/01/25 12:54	07/01/25 23:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg	-		07/01/25 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg	-		07/02/25 12:16	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	<14.4	U	49.6	14.4	mg/Kg	-	07/01/25 13:27	07/02/25 12:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg	-	07/01/25 13:27	07/02/25 12:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg	-	07/01/25 13:27	07/02/25 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/01/25 13:27	07/02/25 12:16	1
o-Terphenyl	122		70 - 130				07/01/25 13:27	07/02/25 12:16	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-4-0-4'

Lab Sample ID: 880-59916-4

Date Collected: 06/30/25 11:00

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		9.90	0.391	mg/Kg			07/02/25 11:59	1

Client Sample ID: SW-5-0-4'

Lab Sample ID: 880-59916-5

Date Collected: 06/30/25 11:30

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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		07/01/25 12:54	07/02/25 00:06	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/01/25 12:54	07/02/25 00:06	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/01/25 12:54	07/02/25 00:06	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/01/25 12:54	07/02/25 00:06	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/01/25 12:54	07/02/25 00:06	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/01/25 12:54	07/02/25 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/01/25 12:54	07/02/25 00:06	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/01/25 12:54	07/02/25 00:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/02/25 00:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/01/25 23:10	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	<14.5	U	49.8	14.5	mg/Kg		07/01/25 08:26	07/01/25 23:10	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/01/25 08:26	07/01/25 23:10	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/01/25 08:26	07/01/25 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/01/25 08:26	07/01/25 23:10	1
o-Terphenyl	117		70 - 130				07/01/25 08:26	07/01/25 23:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	724		10.1	0.398	mg/Kg			07/02/25 12:16	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-6-0-4'

Lab Sample ID: 880-59916-6

Date Collected: 06/30/25 12:00

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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	-	07/01/25 12:54	07/02/25 00:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/01/25 12:54	07/02/25 00:26	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/01/25 12:54	07/02/25 00:26	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/01/25 12:54	07/02/25 00:26	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/01/25 12:54	07/02/25 00:26	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/01/25 12:54	07/02/25 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/01/25 12:54	07/02/25 00:26	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/01/25 12:54	07/02/25 00:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg	-		07/02/25 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		07/01/25 23:25	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	-	07/01/25 08:26	07/01/25 23:25	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	07/01/25 08:26	07/01/25 23:25	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	07/01/25 08:26	07/01/25 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	07/01/25 08:26	07/01/25 23:25	1
o-Terphenyl	119		70 - 130	07/01/25 08:26	07/01/25 23:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.0		10.1	0.399	mg/Kg	-		07/02/25 12:22	1

Client Sample ID: SW-7-0-4'

Lab Sample ID: 880-59916-7

Date Collected: 06/30/25 13:00

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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	-	07/01/25 12:54	07/02/25 03:22	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	07/01/25 12:54	07/02/25 03:22	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg	-	07/01/25 12:54	07/02/25 03:22	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg	-	07/01/25 12:54	07/02/25 03:22	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg	-	07/01/25 12:54	07/02/25 03:22	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg	-	07/01/25 12:54	07/02/25 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/01/25 12:54	07/02/25 03:22	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-7-0-4'

Lab Sample ID: 880-59916-7

Date Collected: 06/30/25 13:00

Matrix: Solid

Date Received: 07/01/25 11:51

Sample Depth: 0 - 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	07/01/25 12:54	07/02/25 03:22	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	-		07/02/25 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg	-		07/01/25 23:39	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	49.8	14.5	mg/Kg	-	07/01/25 08:26	07/01/25 23:39	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg	-	07/01/25 08:26	07/01/25 23:39	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg	-	07/01/25 08:26	07/01/25 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				07/01/25 08:26	07/01/25 23:39	1
o-Terphenyl	120		70 - 130				07/01/25 08:26	07/01/25 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		10.1	0.397	mg/Kg	-		07/02/25 12:27	1

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-59916-1	SW-1-0-4'	101	89
880-59916-1 MS	SW-1-0-4'	106	91
880-59916-1 MSD	SW-1-0-4'	108	94
880-59916-2	SW-2-0-4'	99	89
880-59916-3	SW-3-0-4'	104	89
880-59916-4	SW-4-0-4'	103	90
880-59916-5	SW-5-0-4'	101	94
880-59916-6	SW-6-0-4'	85	93
880-59916-7	SW-7-0-4'	116	86
LCS 880-113464/1-A	Lab Control Sample	108	94
LCSD 880-113464/2-A	Lab Control Sample Dup	109	92
MB 880-113430/5-A	Method Blank	100	82
MB 880-113464/5-A	Method Blank	103	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-59916-1	SW-1-0-4'	117	114
880-59916-1 MS	SW-1-0-4'	124	117
880-59916-1 MSD	SW-1-0-4'	125	116
880-59916-2	SW-2-0-4'	122	121
880-59916-3	SW-3-0-4'	120	122
880-59916-4	SW-4-0-4'	122	122
880-59916-5	SW-5-0-4'	114	117
880-59916-6	SW-6-0-4'	115	119
880-59916-7	SW-7-0-4'	119	120
LCS 880-113421/2-A	Lab Control Sample	71	71
LCS 880-113465/2-A	Lab Control Sample	142 S1+	130
LCSD 880-113421/3-A	Lab Control Sample Dup	137 S1+	136 S1+
LCSD 880-113465/3-A	Lab Control Sample Dup	120	129
MB 880-113421/1-A	Method Blank	122	129
MB 880-113465/1-A	Method Blank	124	126

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113430/5-A

Matrix: Solid

Analysis Batch: 113417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/01/25 09:44	07/01/25 11:25	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/01/25 09:44	07/01/25 11:25	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/01/25 09:44	07/01/25 11:25	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/01/25 09:44	07/01/25 11:25	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/01/25 09:44	07/01/25 11:25	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/01/25 09:44	07/01/25 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/01/25 09:44	07/01/25 11:25	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/01/25 09:44	07/01/25 11:25	1

Lab Sample ID: MB 880-113464/5-A

Matrix: Solid

Analysis Batch: 113417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/01/25 12:54	07/01/25 22:22	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/01/25 12:54	07/01/25 22:22	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/01/25 12:54	07/01/25 22:22	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/01/25 12:54	07/01/25 22:22	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/01/25 12:54	07/01/25 22:22	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/01/25 12:54	07/01/25 22:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/01/25 12:54	07/01/25 22:22	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/01/25 12:54	07/01/25 22:22	1

Lab Sample ID: LCS 880-113464/1-A

Matrix: Solid

Analysis Batch: 113417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08796		mg/Kg		88	70 - 130
Toluene	0.100	0.08325		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.09103		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1854		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09427		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-113464/2-A

Matrix: Solid

Analysis Batch: 113417

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08013		mg/Kg		80	70 - 130	9	35

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

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

Lab Sample ID: LCSD 880-113464/2-A

Matrix: Solid

Analysis Batch: 113417

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08034		mg/Kg		80	70 - 130	4	35
Ethylbenzene	0.100	0.08935		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1836		mg/Kg		92	70 - 130	1	35
o-Xylene	0.100	0.09404		mg/Kg		94	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-59916-1 MS

Matrix: Solid

Analysis Batch: 113417

Client Sample ID: SW-1-0-4'

Prep Type: Total/NA

Prep Batch: 113464

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.08675		mg/Kg		87	70 - 130
Toluene	<0.00200	U	0.100	0.08425		mg/Kg		84	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.09256		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1873		mg/Kg		94	70 - 130
o-Xylene	<0.00158	U	0.100	0.09414		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-59916-1 MSD

Matrix: Solid

Analysis Batch: 113417

Client Sample ID: SW-1-0-4'

Prep Type: Total/NA

Prep Batch: 113464

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	0.07703		mg/Kg		77	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.07410		mg/Kg		74	70 - 130	13	35
Ethylbenzene	<0.00109	U	0.100	0.08262		mg/Kg		83	70 - 130	11	35
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1698		mg/Kg		85	70 - 130	10	35
o-Xylene	<0.00158	U	0.100	0.08523		mg/Kg		85	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-113421/1-A

Matrix: Solid

Analysis Batch: 113433

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113421

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		07/01/25 08:26	07/01/25 17:27	1

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

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

Lab Sample ID: MB 880-113421/1-A

Matrix: Solid

Analysis Batch: 113433

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/01/25 08:26	07/01/25 17:27	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/01/25 08:26	07/01/25 17:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				07/01/25 08:26	07/01/25 17:27	1
o-Terphenyl	129		70 - 130				07/01/25 08:26	07/01/25 17:27	1

Lab Sample ID: LCS 880-113421/2-A

Matrix: Solid

Analysis Batch: 113433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1094		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	978.9		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	71		70 - 130				
o-Terphenyl	71		70 - 130				

Lab Sample ID: LCSD 880-113421/3-A

Matrix: Solid

Analysis Batch: 113433

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113421

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1103		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	975.1		mg/Kg		98	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	137	S1+	70 - 130						
o-Terphenyl	136	S1+	70 - 130						

Lab Sample ID: MB 880-113465/1-A

Matrix: Solid

Analysis Batch: 113520

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.35	J	50.0	14.5	mg/Kg		07/01/25 13:27	07/02/25 07:34	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/01/25 13:27	07/02/25 07:34	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/01/25 13:27	07/02/25 07:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/01/25 13:27	07/02/25 07:34	1

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

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

Lab Sample ID: MB 880-113465/1-A

Matrix: Solid

Analysis Batch: 113520

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113465

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	126		70 - 130	07/01/25 13:27	07/02/25 07:34	1

Lab Sample ID: LCS 880-113465/2-A

Matrix: Solid

Analysis Batch: 113520

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113465

			Spike	LCS	LCS	%Rec					
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1064		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1046		mg/Kg		105	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	142	S1+	70 - 130								
o-Terphenyl	130		70 - 130								

Lab Sample ID: LCSD 880-113465/3-A

Matrix: Solid

Analysis Batch: 113520

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113465

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limit		
Gasoline Range Organics (GRO)-C6-C10			1000	1029		mg/Kg		103	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1101		mg/Kg		110	70 - 130	5	20

Lab Sample ID: 880-59916-1 MS

Matrix: Solid

Analysis Batch: 113520

Client Sample ID: SW-1-0-4'

Prep Type: Total/NA

Prep Batch: 113465

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	953.2		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.1	U	999	971.2		mg/Kg		97	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
o-Terphenyl	117		70 - 130								

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

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

Lab Sample ID: 880-59916-1 MSD

Matrix: Solid

Analysis Batch: 113520

Client Sample ID: SW-1-0-4'

Prep Type: Total/NA

Prep Batch: 113465

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	967.6		mg/Kg		97	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<15.1	U	999	966.6		mg/Kg		97	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	116		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113514/1-A

Matrix: Solid

Analysis Batch: 113518

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			07/02/25 09:51	1

Lab Sample ID: LCS 880-113514/2-A

Matrix: Solid

Analysis Batch: 113518

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-113514/3-A

Matrix: Solid

Analysis Batch: 113518

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-59916-2 MS

Matrix: Solid

Analysis Batch: 113518

Client Sample ID: SW-2-0-4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	68.7	F1	251	355.3	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-59916-2 MSD

Matrix: Solid

Analysis Batch: 113518

Client Sample ID: SW-2-0-4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	68.7	F1	251	355.3	F1	mg/Kg		114	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

GC VOA

Analysis Batch: 113417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Total/NA	Solid	8021B	113464
880-59916-2	SW-2-0-4'	Total/NA	Solid	8021B	113464
880-59916-3	SW-3-0-4'	Total/NA	Solid	8021B	113464
880-59916-4	SW-4-0-4'	Total/NA	Solid	8021B	113464
880-59916-5	SW-5-0-4'	Total/NA	Solid	8021B	113464
880-59916-6	SW-6-0-4'	Total/NA	Solid	8021B	113464
880-59916-7	SW-7-0-4'	Total/NA	Solid	8021B	113464
MB 880-113430/5-A	Method Blank	Total/NA	Solid	8021B	113430
MB 880-113464/5-A	Method Blank	Total/NA	Solid	8021B	113464
LCS 880-113464/1-A	Lab Control Sample	Total/NA	Solid	8021B	113464
LCSD 880-113464/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113464
880-59916-1 MS	SW-1-0-4'	Total/NA	Solid	8021B	113464
880-59916-1 MSD	SW-1-0-4'	Total/NA	Solid	8021B	113464

Prep Batch: 113430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113430/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 113464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Total/NA	Solid	5030B	
880-59916-2	SW-2-0-4'	Total/NA	Solid	5030B	
880-59916-3	SW-3-0-4'	Total/NA	Solid	5030B	
880-59916-4	SW-4-0-4'	Total/NA	Solid	5030B	
880-59916-5	SW-5-0-4'	Total/NA	Solid	5030B	
880-59916-6	SW-6-0-4'	Total/NA	Solid	5030B	
880-59916-7	SW-7-0-4'	Total/NA	Solid	5030B	
MB 880-113464/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-113464/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-113464/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-59916-1 MS	SW-1-0-4'	Total/NA	Solid	5030B	
880-59916-1 MSD	SW-1-0-4'	Total/NA	Solid	5030B	

Analysis Batch: 113528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Total/NA	Solid	Total BTEX	
880-59916-2	SW-2-0-4'	Total/NA	Solid	Total BTEX	
880-59916-3	SW-3-0-4'	Total/NA	Solid	Total BTEX	
880-59916-4	SW-4-0-4'	Total/NA	Solid	Total BTEX	
880-59916-5	SW-5-0-4'	Total/NA	Solid	Total BTEX	
880-59916-6	SW-6-0-4'	Total/NA	Solid	Total BTEX	
880-59916-7	SW-7-0-4'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-5	SW-5-0-4'	Total/NA	Solid	8015NM Prep	
880-59916-6	SW-6-0-4'	Total/NA	Solid	8015NM Prep	
880-59916-7	SW-7-0-4'	Total/NA	Solid	8015NM Prep	
MB 880-113421/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

GC Semi VOA (Continued)

Prep Batch: 113421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-113421/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-5	SW-5-0-4'	Total/NA	Solid	8015B NM	113421
880-59916-6	SW-6-0-4'	Total/NA	Solid	8015B NM	113421
880-59916-7	SW-7-0-4'	Total/NA	Solid	8015B NM	113421
MB 880-113421/1-A	Method Blank	Total/NA	Solid	8015B NM	113421
LCS 880-113421/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113421
LCSD 880-113421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113421

Prep Batch: 113465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Total/NA	Solid	8015NM Prep	
880-59916-2	SW-2-0-4'	Total/NA	Solid	8015NM Prep	
880-59916-3	SW-3-0-4'	Total/NA	Solid	8015NM Prep	
880-59916-4	SW-4-0-4'	Total/NA	Solid	8015NM Prep	
MB 880-113465/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113465/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113465/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59916-1 MS	SW-1-0-4'	Total/NA	Solid	8015NM Prep	
880-59916-1 MSD	SW-1-0-4'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Total/NA	Solid	8015B NM	113465
880-59916-2	SW-2-0-4'	Total/NA	Solid	8015B NM	113465
880-59916-3	SW-3-0-4'	Total/NA	Solid	8015B NM	113465
880-59916-4	SW-4-0-4'	Total/NA	Solid	8015B NM	113465
MB 880-113465/1-A	Method Blank	Total/NA	Solid	8015B NM	113465
LCS 880-113465/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113465
LCSD 880-113465/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113465
880-59916-1 MS	SW-1-0-4'	Total/NA	Solid	8015B NM	113465
880-59916-1 MSD	SW-1-0-4'	Total/NA	Solid	8015B NM	113465

Analysis Batch: 113549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Total/NA	Solid	8015 NM	
880-59916-2	SW-2-0-4'	Total/NA	Solid	8015 NM	
880-59916-3	SW-3-0-4'	Total/NA	Solid	8015 NM	
880-59916-4	SW-4-0-4'	Total/NA	Solid	8015 NM	
880-59916-5	SW-5-0-4'	Total/NA	Solid	8015 NM	
880-59916-6	SW-6-0-4'	Total/NA	Solid	8015 NM	
880-59916-7	SW-7-0-4'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

HPLC/IC (Continued)

Leach Batch: 113514 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-2	SW-2-0-4'	Soluble	Solid	DI Leach	
880-59916-3	SW-3-0-4'	Soluble	Solid	DI Leach	
880-59916-4	SW-4-0-4'	Soluble	Solid	DI Leach	
880-59916-5	SW-5-0-4'	Soluble	Solid	DI Leach	
880-59916-6	SW-6-0-4'	Soluble	Solid	DI Leach	
880-59916-7	SW-7-0-4'	Soluble	Solid	DI Leach	
MB 880-113514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113514/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59916-2 MS	SW-2-0-4'	Soluble	Solid	DI Leach	
880-59916-2 MSD	SW-2-0-4'	Soluble	Solid	DI Leach	

Analysis Batch: 113518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59916-1	SW-1-0-4'	Soluble	Solid	300.0	113514
880-59916-2	SW-2-0-4'	Soluble	Solid	300.0	113514
880-59916-3	SW-3-0-4'	Soluble	Solid	300.0	113514
880-59916-4	SW-4-0-4'	Soluble	Solid	300.0	113514
880-59916-5	SW-5-0-4'	Soluble	Solid	300.0	113514
880-59916-6	SW-6-0-4'	Soluble	Solid	300.0	113514
880-59916-7	SW-7-0-4'	Soluble	Solid	300.0	113514
MB 880-113514/1-A	Method Blank	Soluble	Solid	300.0	113514
LCS 880-113514/2-A	Lab Control Sample	Soluble	Solid	300.0	113514
LCSD 880-113514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113514
880-59916-2 MS	SW-2-0-4'	Soluble	Solid	300.0	113514
880-59916-2 MSD	SW-2-0-4'	Soluble	Solid	300.0	113514

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-1-0-4'
Date Collected: 06/30/25 13:30
Date Received: 07/01/25 11:51

Lab Sample ID: 880-59916-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	113464	07/01/25 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113417	07/01/25 22:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113528	07/01/25 22:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			113549	07/02/25 09:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113465	07/01/25 13:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113520	07/02/25 09:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113514	07/02/25 08:56	SI	EET MID
Soluble	Analysis	300.0		1			113518	07/02/25 11:31	CS	EET MID

Client Sample ID: SW-2-0-4'
Date Collected: 06/30/25 10:15
Date Received: 07/01/25 11:51

Lab Sample ID: 880-59916-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	113464	07/01/25 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113417	07/01/25 23:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113528	07/01/25 23:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			113549	07/02/25 11:44	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	113465	07/01/25 13:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113520	07/02/25 11:44	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113514	07/02/25 08:56	SI	EET MID
Soluble	Analysis	300.0		1			113518	07/02/25 11:36	CS	EET MID

Client Sample ID: SW-3-0-4'
Date Collected: 06/30/25 10:30
Date Received: 07/01/25 11:51

Lab Sample ID: 880-59916-3
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			4.99 g	5 mL	113464	07/01/25 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113417	07/01/25 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113528	07/01/25 23:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			113549	07/02/25 12:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113465	07/01/25 13:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113520	07/02/25 12:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113514	07/02/25 08:56	SI	EET MID
Soluble	Analysis	300.0		1			113518	07/02/25 11:53	CS	EET MID

Client Sample ID: SW-4-0-4'
Date Collected: 06/30/25 11:00
Date Received: 07/01/25 11:51

Lab Sample ID: 880-59916-4
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	113464	07/01/25 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113417	07/01/25 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113528	07/01/25 23:45	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-4-0-4'**Lab Sample ID: 880-59916-4****Date Collected: 06/30/25 11:00****Matrix: Solid****Date Received: 07/01/25 11:51**

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			113549	07/02/25 12:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	113465	07/01/25 13:27	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113520	07/02/25 12:16	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113514	07/02/25 08:56	SI	EET MID
Soluble	Analysis	300.0		1			113518	07/02/25 11:59	CS	EET MID

Client Sample ID: SW-5-0-4'**Lab Sample ID: 880-59916-5****Date Collected: 06/30/25 11:30****Matrix: Solid****Date Received: 07/01/25 11:51**

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	113464	07/01/25 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113417	07/02/25 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113528	07/02/25 00:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			113549	07/01/25 23:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113421	07/01/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113433	07/01/25 23:10	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113514	07/02/25 08:56	SI	EET MID
Soluble	Analysis	300.0		1			113518	07/02/25 12:16	CS	EET MID

Client Sample ID: SW-6-0-4'**Lab Sample ID: 880-59916-6****Date Collected: 06/30/25 12:00****Matrix: Solid****Date Received: 07/01/25 11:51**

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	113464	07/01/25 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113417	07/02/25 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113528	07/02/25 00:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			113549	07/01/25 23:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113421	07/01/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113433	07/01/25 23:25	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113514	07/02/25 08:56	SI	EET MID
Soluble	Analysis	300.0		1			113518	07/02/25 12:22	CS	EET MID

Client Sample ID: SW-7-0-4'**Lab Sample ID: 880-59916-7****Date Collected: 06/30/25 13:00****Matrix: Solid****Date Received: 07/01/25 11:51**

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	113464	07/01/25 12:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113417	07/02/25 03:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113528	07/02/25 03:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			113549	07/01/25 23:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113421	07/01/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113433	07/01/25 23:39	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Client Sample ID: SW-7-0-4'
Date Collected: 06/30/25 13:00
Date Received: 07/01/25 11:51

Lab Sample ID: 880-59916-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	113514	07/02/25 08:56	SI	EET MID
Soluble	Analysis	300.0		1			113518	07/02/25 12:27	CS	EET MID

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

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Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

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: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-59916-1
SDG: 30246541.00004

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-59916-1	SW-1-0-4'	Solid	06/30/25 13:30	07/01/25 11:51	0 - 4
880-59916-2	SW-2-0-4'	Solid	06/30/25 10:15	07/01/25 11:51	0 - 4
880-59916-3	SW-3-0-4'	Solid	06/30/25 10:30	07/01/25 11:51	0 - 4
880-59916-4	SW-4-0-4'	Solid	06/30/25 11:00	07/01/25 11:51	0 - 4
880-59916-5	SW-5-0-4'	Solid	06/30/25 11:30	07/01/25 11:51	0 - 4
880-59916-6	SW-6-0-4'	Solid	06/30/25 12:00	07/01/25 11:51	0 - 4
880-59916-7	SW-7-0-4'	Solid	06/30/25 13:00	07/01/25 11:51	0 - 4





Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199



880-59916 Chain of Custody

Project Manager:	Morgan Jordan	Bill to: (if different)	
Company Name:	Arcadis U.S. Inc.	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	281-644-9437	Email:	douglas.jordan@arcadis.com

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

Project Name:		WLU 86		Turn Around		ANALYSIS REQUEST																Preservative Codes									
Project Number:		30246541.00004		☐ Routine ☐ Rush		Pres. Code																		None: NO DI Water: H ₂ O							
Project Location:		Lea County, NM		Due Date:		3-Day																		Cool: Cool MeOH: Me							
Sampler's Name:		Luis Esparza		TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC HNO ₃ : HN									
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐																		H ₃ PO ₄ : HP					
Samples Received Intact:		Yes ☒ No ☐		Thermometer ID:		IR8																		NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Correction Factor:		-1																		Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		5.4																		Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		5.3																		NaOH+Ascorbic Acid: SAPC							
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont																		Sample Comments	
SW-1-0-4'		S		06/30/25		1330		0-4'		C		1		Chloride																	
SW-2-0-4'		S		1		1015		0-4'		C		1		BTEX																	
SW-3-0-4'		S		1		1030		0-4'		C		1		TPH																	
SW-4-0-4'		S		1		1100		0-4'		C		1																			
SW-5-0-4'		S		1		1130		0-4'		C		1																			
SW-6-0-4'		S		1		1200		0-4'		C		1																			
SW-7-0-4'		S		1		1300		0-4'		C		1																			

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas	11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn														
Circle Method(s) and Metal(s) to be analyzed																																TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471															

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		[Signature]		7/1/25 1430		2					
3						4					
5						6					



Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 880-59916-1

SDG Number: 30246541.00004

Login Number: 59916

List Number: 1

Creator: Lee, Randall

List Source: Eurofins Midland

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



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
98 San Jacinto Blvd.
Suite 414
Austin, Texas 78701

Generated 7/14/2025 5:03:50 PM

JOB DESCRIPTION

WLU 86
Lea County, NM

JOB NUMBER

880-60291-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/14/2025 5:03:50 PM

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

Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 880-60291-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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: WLU 86

Job ID: 880-60291-1

Job ID: 880-60291-1

Eurofins Midland

Job Narrative 880-60291-1

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 7/14/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.7°C.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-34-12' (880-60291-3) and (890-8448-A-1-E). 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

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114037 and analytical batch 880-114077 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: B-51-15' (880-60291-1), B-52-15' (880-60291-2), B-34-12' (880-60291-3), (880-60301-A-1-A), (880-60301-A-1-B MS) and (880-60301-A-1-C MSD).

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

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Client Sample ID: B-51-15'

Lab Sample ID: 880-60291-1

Date Collected: 07/11/25 11:00

Matrix: Solid

Date Received: 07/14/25 08:00

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		07/14/25 12:00	07/14/25 13:38	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/14/25 12:00	07/14/25 13:38	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		07/14/25 12:00	07/14/25 13:38	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		07/14/25 12:00	07/14/25 13:38	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/14/25 12:00	07/14/25 13:38	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		07/14/25 12:00	07/14/25 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/14/25 12:00	07/14/25 13:38	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/14/25 12:00	07/14/25 13:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			07/14/25 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			07/14/25 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		07/10/25 13:21	07/14/25 12:18	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		07/10/25 13:21	07/14/25 12:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		07/10/25 13:21	07/14/25 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/10/25 13:21	07/14/25 12:18	1
o-Terphenyl	87		70 - 130	07/10/25 13:21	07/14/25 12:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.1		9.94	0.393	mg/Kg			07/14/25 10:14	1

Client Sample ID: B-52-15'

Lab Sample ID: 880-60291-2

Date Collected: 07/11/25 11:15

Matrix: Solid

Date Received: 07/14/25 08:00

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		07/14/25 12:00	07/14/25 13:59	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/14/25 12:00	07/14/25 13:59	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/14/25 12:00	07/14/25 13:59	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		07/14/25 12:00	07/14/25 13:59	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		07/14/25 12:00	07/14/25 13:59	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		07/14/25 12:00	07/14/25 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	07/14/25 12:00	07/14/25 13:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/14/25 12:00	07/14/25 13:59	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Client Sample ID: B-52-15'

Lab Sample ID: 880-60291-2

Date Collected: 07/11/25 11:15

Matrix: Solid

Date Received: 07/14/25 08:00

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			07/14/25 13:59	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			07/14/25 12:34	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	<14.5	U	50.0	14.5	mg/Kg		07/10/25 13:21	07/14/25 12:34	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/10/25 13:21	07/14/25 12:34	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/10/25 13:21	07/14/25 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/10/25 13:21	07/14/25 12:34	1
o-Terphenyl	87		70 - 130				07/10/25 13:21	07/14/25 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		9.94	0.393	mg/Kg			07/14/25 10:19	1

Client Sample ID: B-34-12'

Lab Sample ID: 880-60291-3

Date Collected: 07/11/25 14:40

Matrix: Solid

Date Received: 07/14/25 08:00

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		07/14/25 12:00	07/14/25 14:19	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/14/25 12:00	07/14/25 14:19	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/14/25 12:00	07/14/25 14:19	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/14/25 12:00	07/14/25 14:19	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/14/25 12:00	07/14/25 14:19	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/14/25 12:00	07/14/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				07/14/25 12:00	07/14/25 14:19	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/14/25 12:00	07/14/25 14:19	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			07/14/25 14:19	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	49.8	15.1	mg/Kg			07/14/25 12:50	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	49.8	14.5	mg/Kg		07/10/25 13:21	07/14/25 12:50	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/10/25 13:21	07/14/25 12:50	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Client Sample ID: B-34-12'
Date Collected: 07/11/25 14:40
Date Received: 07/14/25 08:00

Lab Sample ID: 880-60291-3
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)	<15.1	U	49.8	15.1	mg/Kg		07/10/25 13:21	07/14/25 12:50	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	92		70 - 130				07/10/25 13:21	07/14/25 12:50	1	
o-Terphenyl	86		70 - 130				07/10/25 13:21	07/14/25 12:50	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	160		10.0	0.397	mg/Kg			07/14/25 10:37	1	

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea 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)
880-60291-1	B-51-15'	124	85
880-60291-2	B-52-15'	129	86
880-60291-3	B-34-12'	133 S1+	86
LCS 880-114076/1-A	Lab Control Sample	130	90
LCSD 880-114076/2-A	Lab Control Sample Dup	117	96
MB 880-114076/5-A	Method Blank	121	88
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-60291-1	B-51-15'	93	87
880-60291-2	B-52-15'	91	87
880-60291-3	B-34-12'	92	86
LCS 880-113854/2-A	Lab Control Sample	94	103
LCSD 880-113854/3-A	Lab Control Sample Dup	100	92
MB 880-113854/1-A	Method Blank	79	82
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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	<0.00139	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	<0.00109	U	0.00200	0.00109	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/14/25 09:06	07/14/25 11:55	1
Xylenes, Total	<0.00229	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

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

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-113854/1-A

Matrix: Solid

Analysis Batch: 114088

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113854

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		07/10/25 07:59	07/14/25 09:41	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/10/25 07:59	07/14/25 09:41	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/10/25 07:59	07/14/25 09:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				07/10/25 07:59	07/14/25 09:41	1
o-Terphenyl	82		70 - 130				07/10/25 07:59	07/14/25 09:41	1

Lab Sample ID: LCS 880-113854/2-A

Matrix: Solid

Analysis Batch: 114088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1047		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	94		70 - 130				
o-Terphenyl	103		70 - 130				

Lab Sample ID: LCSD 880-113854/3-A

Matrix: Solid

Analysis Batch: 114088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	935.7		mg/Kg		94	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	855.5		mg/Kg		86	70 - 130	20	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	92		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114037/1-A

Matrix: Solid

Analysis Batch: 114077

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			07/14/25 09:25	1

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-114037/2-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Soluble			
Analysis Batch: 114077							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.3		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-114037/3-A				Client Sample ID: Lab Control Sample Dup					
Matrix: Solid				Prep Type: Soluble					
Analysis Batch: 114077									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	254.2		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 114062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Total/NA	Solid	8021B	114076
880-60291-2	B-52-15'	Total/NA	Solid	8021B	114076
880-60291-3	B-34-12'	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

Prep Batch: 114076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Total/NA	Solid	5030B	
880-60291-2	B-52-15'	Total/NA	Solid	5030B	
880-60291-3	B-34-12'	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	
LCSD 880-114076/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 114125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Total/NA	Solid	Total BTEX	
880-60291-2	B-52-15'	Total/NA	Solid	Total BTEX	
880-60291-3	B-34-12'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Total/NA	Solid	8015NM Prep	
880-60291-2	B-52-15'	Total/NA	Solid	8015NM Prep	
880-60291-3	B-34-12'	Total/NA	Solid	8015NM Prep	
MB 880-113854/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113854/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Total/NA	Solid	8015B NM	113854
880-60291-2	B-52-15'	Total/NA	Solid	8015B NM	113854
880-60291-3	B-34-12'	Total/NA	Solid	8015B NM	113854
MB 880-113854/1-A	Method Blank	Total/NA	Solid	8015B NM	113854
LCS 880-113854/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113854
LCSD 880-113854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113854

Analysis Batch: 114146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Total/NA	Solid	8015 NM	
880-60291-2	B-52-15'	Total/NA	Solid	8015 NM	
880-60291-3	B-34-12'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 114037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Soluble	Solid	DI Leach	
880-60291-2	B-52-15'	Soluble	Solid	DI Leach	
880-60291-3	B-34-12'	Soluble	Solid	DI Leach	
MB 880-114037/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114037/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114037/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 114077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60291-1	B-51-15'	Soluble	Solid	300.0	114037
880-60291-2	B-52-15'	Soluble	Solid	300.0	114037
880-60291-3	B-34-12'	Soluble	Solid	300.0	114037
MB 880-114037/1-A	Method Blank	Soluble	Solid	300.0	114037
LCS 880-114037/2-A	Lab Control Sample	Soluble	Solid	300.0	114037
LCSD 880-114037/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114037

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Client Sample ID: B-51-15'

Lab Sample ID: 880-60291-1

Date Collected: 07/11/25 11:00

Matrix: Solid

Date Received: 07/14/25 08:00

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 12:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114125	07/14/25 13:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			114146	07/14/25 12:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113854	07/10/25 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 12:18	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114037	07/14/25 08:10	SMC	EET MID
Soluble	Analysis	300.0		1			114077	07/14/25 10:14	SMC	EET MID

Client Sample ID: B-52-15'

Lab Sample ID: 880-60291-2

Date Collected: 07/11/25 11:15

Matrix: Solid

Date Received: 07/14/25 08:00

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	114076	07/14/25 12:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114125	07/14/25 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			114146	07/14/25 12:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113854	07/10/25 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 12:34	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114037	07/14/25 08:10	SMC	EET MID
Soluble	Analysis	300.0		1			114077	07/14/25 10:19	SMC	EET MID

Client Sample ID: B-34-12'

Lab Sample ID: 880-60291-3

Date Collected: 07/11/25 14:40

Matrix: Solid

Date Received: 07/14/25 08:00

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 12:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114062	07/14/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114125	07/14/25 14:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			114146	07/14/25 12:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113854	07/10/25 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 12:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114037	07/14/25 08:10	SMC	EET MID
Soluble	Analysis	300.0		1			114077	07/14/25 10:37	SMC	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea 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	06-30-26
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: WLU 86

Job ID: 880-60291-1
SDG: Lea 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
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60291-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-60291-1	B-51-15'	Solid	07/11/25 11:00	07/14/25 08:00
880-60291-2	B-52-15'	Solid	07/11/25 11:15	07/14/25 08:00
880-60291-3	B-34-12'	Solid	07/11/25 14:40	07/14/25 08:00

- 1
- 2
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 880-60291-1
SDG Number: Lea County, NM

Login Number: 60291

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

- 1
- 2
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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
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JOB DESCRIPTION

WLU 86

JOB NUMBER

880-60373-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 880-60373-1

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: WLU 86

Job ID: 880-60373-1

Job ID: 880-60373-1

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Job Narrative 880-60373-1

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 12:15 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 2.4°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-114199 and analytical batch 880-114210 was outside the upper control limits.

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

Diesel Range Organics

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 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.

HPLC/IC

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

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Client Sample ID: B-55-4'

Lab Sample ID: 880-60373-1

Date Collected: 07/14/25 10:30

Matrix: Solid

Date Received: 07/15/25 12:15

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		07/15/25 13:58	07/15/25 22:08	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/15/25 13:58	07/15/25 22:08	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		07/15/25 13:58	07/15/25 22:08	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		07/15/25 13:58	07/15/25 22:08	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/15/25 13:58	07/15/25 22:08	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		07/15/25 13:58	07/15/25 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/15/25 13:58	07/15/25 22:08	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/15/25 13:58	07/15/25 22:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			07/15/25 22:08	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			07/15/25 21:49	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		07/15/25 10:08	07/15/25 21:49	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/15/25 10:08	07/15/25 21:49	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/15/25 10:08	07/15/25 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/15/25 10:08	07/15/25 21:49	1
o-Terphenyl	98		70 - 130	07/15/25 10:08	07/15/25 21:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		10.1	0.398	mg/Kg			07/15/25 18:24	1

Client Sample ID: B-37-4.5'

Lab Sample ID: 880-60373-2

Date Collected: 07/14/25 10:40

Matrix: Solid

Date Received: 07/15/25 12:15

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		07/15/25 13:58	07/15/25 22:28	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/15/25 13:58	07/15/25 22:28	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/15/25 13:58	07/15/25 22:28	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		07/15/25 13:58	07/15/25 22:28	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		07/15/25 13:58	07/15/25 22:28	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		07/15/25 13:58	07/15/25 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/15/25 13:58	07/15/25 22:28	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/15/25 13:58	07/15/25 22:28	1

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Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Client Sample ID: B-37-4.5'

Lab Sample ID: 880-60373-2

Date Collected: 07/14/25 10:40

Matrix: Solid

Date Received: 07/15/25 12:15

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			07/15/25 22:28	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	49.7	15.0	mg/Kg			07/16/25 01:38	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	<14.4	U	49.7	14.4	mg/Kg		07/14/25 08:51	07/16/25 01:38	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		07/14/25 08:51	07/16/25 01:38	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		07/14/25 08:51	07/16/25 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/14/25 08:51	07/16/25 01:38	1
o-Terphenyl	100		70 - 130				07/14/25 08:51	07/16/25 01:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.0	0.395	mg/Kg			07/15/25 18:31	1

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Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-60373-1	B-55-4'	116	107
880-60373-2	B-37-4.5'	115	107
LCS 880-114199/1-A	Lab Control Sample	93	85
LCSD 880-114199/2-A	Lab Control Sample Dup	96	94
MB 880-114199/5-A	Method Blank	194 S1+	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)
880-60373-1	B-55-4'	104	98
880-60373-2	B-37-4.5'	109	100
LCS 880-114068/2-A	Lab Control Sample	106	108
LCS 880-114171/2-A	Lab Control Sample	130	117
LCSD 880-114068/3-A	Lab Control Sample Dup	107	109
LCSD 880-114171/3-A	Lab Control Sample Dup	110	120
MB 880-114068/1-A	Method Blank	125	120
MB 880-114171/1-A	Method Blank	121	123
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114199/5-A

Matrix: Solid

Analysis Batch: 114210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/15/25 12:15	07/15/25 16:31	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/15/25 12:15	07/15/25 16:31	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/15/25 12:15	07/15/25 16:31	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/15/25 12:15	07/15/25 16:31	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/15/25 12:15	07/15/25 16:31	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/15/25 12:15	07/15/25 16:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	194	S1+	70 - 130	07/15/25 12:15	07/15/25 16:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/15/25 12:15	07/15/25 16:31	1

Lab Sample ID: LCS 880-114199/1-A

Matrix: Solid

Analysis Batch: 114210

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		100	70 - 130
Toluene	0.100	0.09182		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09558		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1888		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09455		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: LCSD 880-114199/2-A

Matrix: Solid

Analysis Batch: 114210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1025		mg/Kg		103	70 - 130	2	35
Toluene	0.100	0.09042		mg/Kg		90	70 - 130	2	35
Ethylbenzene	0.100	0.09564		mg/Kg		96	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1902		mg/Kg		95	70 - 130	1	35
o-Xylene	0.100	0.09567		mg/Kg		96	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

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

Lab Sample ID: MB 880-114068/1-A

Matrix: Solid

Analysis Batch: 114226

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114068

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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)	<15.1	U	50.0	15.1	mg/Kg		07/14/25 08:51	07/15/25 23:12	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/14/25 08:51	07/15/25 23:12	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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

Matrix: Solid

Analysis Batch: 114226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	106		70 - 130				
o-Terphenyl	108		70 - 130				

Lab Sample ID: LCSD 880-114068/3-A

Matrix: Solid

Analysis Batch: 114226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	107		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: MB 880-114171/1-A

Matrix: Solid

Analysis Batch: 114224

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114171

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		07/15/25 10:08	07/15/25 10:38	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/15/25 10:08	07/15/25 10:38	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/15/25 10:08	07/15/25 10:38	1

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

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

Lab Sample ID: MB 880-114171/1-A

Matrix: Solid

Analysis Batch: 114224

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114171

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane	121		70 - 130	07/15/25 10:08	07/15/25 10:38	1			
o-Terphenyl	123		70 - 130	07/15/25 10:08	07/15/25 10:38	1			

Lab Sample ID: LCS 880-114171/2-A

Matrix: Solid

Analysis Batch: 114224

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114171

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1251		mg/Kg		125	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1181		mg/Kg		118	70 - 130		

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

Lab Sample ID: LCSD 880-114171/3-A

Matrix: Solid

Analysis Batch: 114224

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114171

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1283		mg/Kg		128	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	1263		mg/Kg		126	70 - 130	7	20	

	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	120		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114169/1-A

Matrix: Solid

Analysis Batch: 114174

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			07/15/25 15:13	1	

Lab Sample ID: LCS 880-114169/2-A

Matrix: Solid

Analysis Batch: 114174

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	230.2		mg/Kg		92	90 - 110		

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-114169/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 114174											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	226.8		mg/Kg		91	90 - 110	2	20		

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

GC VOA

Prep Batch: 114199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Total/NA	Solid	5030B	
880-60373-2	B-37-4.5'	Total/NA	Solid	5030B	
MB 880-114199/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-114199/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-114199/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 114210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Total/NA	Solid	8021B	114199
880-60373-2	B-37-4.5'	Total/NA	Solid	8021B	114199
MB 880-114199/5-A	Method Blank	Total/NA	Solid	8021B	114199
LCS 880-114199/1-A	Lab Control Sample	Total/NA	Solid	8021B	114199
LCSD 880-114199/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114199

Analysis Batch: 114284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Total/NA	Solid	Total BTEX	
880-60373-2	B-37-4.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-2	B-37-4.5'	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	

Prep Batch: 114171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Total/NA	Solid	8015NM Prep	
MB 880-114171/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114171/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114171/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Total/NA	Solid	8015B NM	114171
MB 880-114171/1-A	Method Blank	Total/NA	Solid	8015B NM	114171
LCS 880-114171/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114171
LCSD 880-114171/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114171

Analysis Batch: 114226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-2	B-37-4.5'	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

Eurofins Midland

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

GC Semi VOA

Analysis Batch: 114262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Total/NA	Solid	8015 NM	
880-60373-2	B-37-4.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Soluble	Solid	DI Leach	
880-60373-2	B-37-4.5'	Soluble	Solid	DI Leach	
MB 880-114169/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114169/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114169/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 114174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60373-1	B-55-4'	Soluble	Solid	300.0	114169
880-60373-2	B-37-4.5'	Soluble	Solid	300.0	114169
MB 880-114169/1-A	Method Blank	Soluble	Solid	300.0	114169
LCS 880-114169/2-A	Lab Control Sample	Soluble	Solid	300.0	114169
LCSD 880-114169/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114169

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Client Sample ID: B-55-4'
Date Collected: 07/14/25 10:30
Date Received: 07/15/25 12:15

Lab Sample ID: 880-60373-1
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			4.97 g	5 mL	114199	07/15/25 13:58	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114210	07/15/25 22:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114284	07/15/25 22:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			114262	07/15/25 21:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114171	07/15/25 10:08	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114224	07/15/25 21:49	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114169	07/15/25 14:19	SA	EET MID
Soluble	Analysis	300.0		1			114174	07/15/25 18:24	CS	EET MID

Client Sample ID: B-37-4.5'
Date Collected: 07/14/25 10:40
Date Received: 07/15/25 12:15

Lab Sample ID: 880-60373-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	114199	07/15/25 13:58	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114210	07/15/25 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114284	07/15/25 22:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			114262	07/16/25 01:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 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 01:38	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	114169	07/15/25 14:19	SA	EET MID
Soluble	Analysis	300.0		1			114174	07/15/25 18:31	CS	EET MID

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

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
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: WLU 86

Job ID: 880-60373-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-60373-1	B-55-4'	Solid	07/14/25 10:30	07/15/25 12:15
880-60373-2	B-37-4.5'	Solid	07/14/25 10:40	07/15/25 12:15

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Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 880-60373-1

Login Number: 60373

List Number: 1

Creator: Lee, Randall

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
98 San Jacinto Blvd.
Suite 414
Austin, Texas 78701

Generated 7/30/2025 4:40:56 PM

JOB DESCRIPTION

WLU 86
Lea County, NM

JOB NUMBER

880-60913-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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7/30/2025 4:40:56 PM

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

Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 880-60913-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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
SQL	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: WLU 86

Job ID: 880-60913-1

Job ID: 880-60913-1

Eurofins Midland

Job Narrative 880-60913-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/30/2025 7:54 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 4.6°C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: B-59-4' (880-60913-7). 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

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.

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: SW-8-0-3'

Lab Sample ID: 880-60913-1

Date Collected: 07/25/25 13:00

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:21	07/30/25 12:06	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/30/25 09:21	07/30/25 12:06	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/30/25 09:21	07/30/25 12:06	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		07/30/25 09:21	07/30/25 12:06	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/30/25 09:21	07/30/25 12:06	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		07/30/25 09:21	07/30/25 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/30/25 09:21	07/30/25 12:06	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/30/25 09:21	07/30/25 12:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/30/25 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/30/25 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		07/30/25 08:10	07/30/25 10:56	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/30/25 08:10	07/30/25 10:56	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/30/25 08:10	07/30/25 10:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	07/30/25 08:10	07/30/25 10:56	1
o-Terphenyl	97		70 - 130	07/30/25 08:10	07/30/25 10:56	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			07/30/25 10:24	1

Client Sample ID: SW-9-0-3'

Lab Sample ID: 880-60913-2

Date Collected: 07/25/25 12:20

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:21	07/30/25 12:27	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/25 09:21	07/30/25 12:27	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/30/25 09:21	07/30/25 12:27	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/30/25 09:21	07/30/25 12:27	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/30/25 09:21	07/30/25 12:27	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/30/25 09:21	07/30/25 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	07/30/25 09:21	07/30/25 12:27	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/30/25 09:21	07/30/25 12:27	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: SW-9-0-3'

Lab Sample ID: 880-60913-2

Date Collected: 07/25/25 12:20

Matrix: Solid

Date Received: 07/30/25 07:54

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			07/30/25 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			07/30/25 11:12	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	<14.4	U	49.6	14.4	mg/Kg		07/30/25 08:10	07/30/25 11:12	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		07/30/25 08:10	07/30/25 11:12	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		07/30/25 08:10	07/30/25 11:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/30/25 08:10	07/30/25 11:12	1
o-Terphenyl	94		70 - 130				07/30/25 08:10	07/30/25 11:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.19	J	10.0	0.397	mg/Kg			07/30/25 10:41	1

Client Sample ID: SW-10-0-3'

Lab Sample ID: 880-60913-3

Date Collected: 07/25/25 12:10

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:21	07/30/25 12:47	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/30/25 09:21	07/30/25 12:47	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		07/30/25 09:21	07/30/25 12:47	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		07/30/25 09:21	07/30/25 12:47	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		07/30/25 09:21	07/30/25 12:47	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		07/30/25 09:21	07/30/25 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/30/25 09:21	07/30/25 12:47	1
1,4-Difluorobenzene (Surr)	84		70 - 130				07/30/25 09:21	07/30/25 12:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			07/30/25 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/30/25 11:27	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	50.0	14.5	mg/Kg		07/30/25 08:10	07/30/25 11:27	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 11:27	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: SW-10-0-3'

Lab Sample ID: 880-60913-3

Date Collected: 07/25/25 12:10

Matrix: Solid

Date Received: 07/30/25 07:54

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	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 11:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/30/25 08:10	07/30/25 11:27	1
o-Terphenyl	93		70 - 130				07/30/25 08:10	07/30/25 11:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.16	J	10.1	0.399	mg/Kg			07/30/25 10:47	1

Client Sample ID: B-56-4'

Lab Sample ID: 880-60913-4

Date Collected: 07/25/25 09:00

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:21	07/30/25 13:08	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/30/25 09:21	07/30/25 13:08	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/30/25 09:21	07/30/25 13:08	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/30/25 09:21	07/30/25 13:08	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/30/25 09:21	07/30/25 13:08	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/30/25 09:21	07/30/25 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				07/30/25 09:21	07/30/25 13:08	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/30/25 09:21	07/30/25 13:08	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			07/30/25 13:08	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			07/30/25 11:42	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	<14.5	U	49.9	14.5	mg/Kg		07/30/25 08:10	07/30/25 11:42	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		07/30/25 08:10	07/30/25 11:42	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/30/25 08:10	07/30/25 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/30/25 08:10	07/30/25 11:42	1
o-Terphenyl	91		70 - 130				07/30/25 08:10	07/30/25 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		9.96	0.393	mg/Kg			07/30/25 10:52	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-57-4'

Lab Sample ID: 880-60913-5

Date Collected: 07/25/25 09:10

Matrix: Solid

Date Received: 07/30/25 07:54

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	-	07/30/25 09:21	07/30/25 13:28	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg	-	07/30/25 09:21	07/30/25 13:28	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg	-	07/30/25 09:21	07/30/25 13:28	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg	-	07/30/25 09:21	07/30/25 13:28	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg	-	07/30/25 09:21	07/30/25 13:28	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg	-	07/30/25 09:21	07/30/25 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/30/25 09:21	07/30/25 13:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/30/25 09:21	07/30/25 13:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg	-		07/30/25 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.2	U	50.3	15.2	mg/Kg	-		07/30/25 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	<14.6	U	50.3	14.6	mg/Kg	-	07/30/25 08:10	07/30/25 11:58	1
Diesel Range Organics (Over C10-C28)	<15.2	U	50.3	15.2	mg/Kg	-	07/30/25 08:10	07/30/25 11:58	1
Oil Range Organics (Over C28-C36)	<15.2	U	50.3	15.2	mg/Kg	-	07/30/25 08:10	07/30/25 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/30/25 08:10	07/30/25 11:58	1
o-Terphenyl	94		70 - 130	07/30/25 08:10	07/30/25 11:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.3		9.92	0.392	mg/Kg	-		07/30/25 10:58	1

Client Sample ID: B-58-4'

Lab Sample ID: 880-60913-6

Date Collected: 07/25/25 09:20

Matrix: Solid

Date Received: 07/30/25 07:54

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	-	07/30/25 09:21	07/30/25 13:49	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/30/25 09:21	07/30/25 13:49	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/30/25 09:21	07/30/25 13:49	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/30/25 09:21	07/30/25 13:49	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/30/25 09:21	07/30/25 13:49	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/30/25 09:21	07/30/25 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/30/25 09:21	07/30/25 13:49	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/30/25 09:21	07/30/25 13:49	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-58-4'

Lab Sample ID: 880-60913-6

Date Collected: 07/25/25 09:20

Matrix: Solid

Date Received: 07/30/25 07:54

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			07/30/25 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			07/30/25 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		07/30/25 08:10	07/30/25 12:13	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		07/30/25 08:10	07/30/25 12:13	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		07/30/25 08:10	07/30/25 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/30/25 08:10	07/30/25 12:13	1
o-Terphenyl	94		70 - 130				07/30/25 08:10	07/30/25 12:13	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			07/30/25 11:15	1

Client Sample ID: B-59-4'

Lab Sample ID: 880-60913-7

Date Collected: 07/25/25 09:30

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:21	07/30/25 14:09	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/25 09:21	07/30/25 14:09	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/30/25 09:21	07/30/25 14:09	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/30/25 09:21	07/30/25 14:09	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/30/25 09:21	07/30/25 14:09	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/30/25 09:21	07/30/25 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				07/30/25 09:21	07/30/25 14:09	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				07/30/25 09:21	07/30/25 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			07/30/25 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/30/25 12:28	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	<14.5	U	49.8	14.5	mg/Kg		07/30/25 08:10	07/30/25 12:28	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/30/25 08:10	07/30/25 12:28	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-59-4'

Lab Sample ID: 880-60913-7

Date Collected: 07/25/25 09:30

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 08:10	07/30/25 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/30/25 08:10	07/30/25 12:28	1
o-Terphenyl	93		70 - 130				07/30/25 08:10	07/30/25 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	493		9.94	0.393	mg/Kg			07/30/25 11:21	1

Client Sample ID: B-60-5'

Lab Sample ID: 880-60913-8

Date Collected: 07/25/25 09:45

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:21	07/30/25 14:30	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/30/25 09:21	07/30/25 14:30	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		07/30/25 09:21	07/30/25 14:30	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		07/30/25 09:21	07/30/25 14:30	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		07/30/25 09:21	07/30/25 14:30	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		07/30/25 09:21	07/30/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/30/25 09:21	07/30/25 14:30	1
1,4-Difluorobenzene (Surr)	83		70 - 130				07/30/25 09:21	07/30/25 14:30	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			07/30/25 14:30	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			07/30/25 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	<14.5	U	50.0	14.5	mg/Kg		07/30/25 08:10	07/30/25 12:43	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 12:43	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				07/30/25 08:10	07/30/25 12:43	1
o-Terphenyl	91		70 - 130				07/30/25 08:10	07/30/25 12:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		9.98	0.394	mg/Kg			07/30/25 11:26	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-61-3'

Lab Sample ID: 880-60913-9

Date Collected: 07/25/25 09:55

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:16	07/30/25 13:15	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/30/25 09:16	07/30/25 13:15	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/30/25 09:16	07/30/25 13:15	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/30/25 09:16	07/30/25 13:15	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/30/25 09:16	07/30/25 13:15	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/30/25 09:16	07/30/25 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/30/25 09:16	07/30/25 13:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/30/25 09:16	07/30/25 13:15	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			07/30/25 13:15	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			07/30/25 12:58	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		07/30/25 08:10	07/30/25 12:58	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		07/30/25 08:10	07/30/25 12:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		07/30/25 08:10	07/30/25 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	07/30/25 08:10	07/30/25 12:58	1
o-Terphenyl	93		70 - 130	07/30/25 08:10	07/30/25 12:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.63	J	9.92	0.392	mg/Kg			07/30/25 11:32	1

Client Sample ID: B-62-3'

Lab Sample ID: 880-60913-10

Date Collected: 07/25/25 10:00

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:16	07/30/25 13:35	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/30/25 09:16	07/30/25 13:35	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		07/30/25 09:16	07/30/25 13:35	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		07/30/25 09:16	07/30/25 13:35	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		07/30/25 09:16	07/30/25 13:35	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		07/30/25 09:16	07/30/25 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/30/25 09:16	07/30/25 13:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/30/25 09:16	07/30/25 13:35	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-62-3'

Lab Sample ID: 880-60913-10

Date Collected: 07/25/25 10:00

Matrix: Solid

Date Received: 07/30/25 07:54

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			07/30/25 13:35	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	U	50.2	15.2	mg/Kg			07/30/25 13:13	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	<14.6	U	50.2	14.6	mg/Kg		07/30/25 08:10	07/30/25 13:13	1
Diesel Range Organics (Over C10-C28)	<15.2	U	50.2	15.2	mg/Kg		07/30/25 08:10	07/30/25 13:13	1
Oil Range Organics (Over C28-C36)	<15.2	U	50.2	15.2	mg/Kg		07/30/25 08:10	07/30/25 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/30/25 08:10	07/30/25 13:13	1
o-Terphenyl	94		70 - 130				07/30/25 08:10	07/30/25 13:13	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			07/30/25 11:38	1

Client Sample ID: B-63-4'

Lab Sample ID: 880-60913-11

Date Collected: 07/25/25 10:15

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:16	07/30/25 13:56	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/30/25 09:16	07/30/25 13:56	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/30/25 09:16	07/30/25 13:56	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/30/25 09:16	07/30/25 13:56	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/30/25 09:16	07/30/25 13:56	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/30/25 09:16	07/30/25 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/30/25 09:16	07/30/25 13:56	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/30/25 09:16	07/30/25 13:56	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			07/30/25 13:56	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			07/30/25 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/30/25 08:10	07/30/25 13:28	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		07/30/25 08:10	07/30/25 13:28	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-63-4'

Lab Sample ID: 880-60913-11

Date Collected: 07/25/25 10:15

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 08:10	07/30/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/30/25 08:10	07/30/25 13:28	1
o-Terphenyl	94		70 - 130				07/30/25 08:10	07/30/25 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		9.96	0.393	mg/Kg			07/30/25 11:43	1

Client Sample ID: B-66-3'

Lab Sample ID: 880-60913-12

Date Collected: 07/25/25 11:00

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:16	07/30/25 14:16	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/25 09:16	07/30/25 14:16	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/30/25 09:16	07/30/25 14:16	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/30/25 09:16	07/30/25 14:16	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/30/25 09:16	07/30/25 14:16	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/30/25 09:16	07/30/25 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/30/25 09:16	07/30/25 14:16	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/30/25 09:16	07/30/25 14:16	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			07/30/25 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/30/25 13:43	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		07/30/25 08:10	07/30/25 13:43	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/30/25 08:10	07/30/25 13:43	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/30/25 08:10	07/30/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/30/25 08:10	07/30/25 13:43	1
o-Terphenyl	93		70 - 130				07/30/25 08:10	07/30/25 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		9.96	0.393	mg/Kg			07/30/25 12:00	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-67-3'

Lab Sample ID: 880-60913-13

Date Collected: 07/25/25 11:10

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:16	07/30/25 14:37	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/30/25 09:16	07/30/25 14:37	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		07/30/25 09:16	07/30/25 14:37	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		07/30/25 09:16	07/30/25 14:37	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		07/30/25 09:16	07/30/25 14:37	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		07/30/25 09:16	07/30/25 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/30/25 09:16	07/30/25 14:37	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/30/25 09:16	07/30/25 14:37	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			07/30/25 14:37	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			07/30/25 13:58	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	<14.5	U	50.0	14.5	mg/Kg		07/30/25 08:10	07/30/25 13:58	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 13:58	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	07/30/25 08:10	07/30/25 13:58	1
o-Terphenyl	92		70 - 130	07/30/25 08:10	07/30/25 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.5		9.92	0.392	mg/Kg			07/30/25 12:06	1

Client Sample ID: B-71-3'

Lab Sample ID: 880-60913-14

Date Collected: 07/25/25 11:40

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:16	07/30/25 14:57	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/30/25 09:16	07/30/25 14:57	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		07/30/25 09:16	07/30/25 14:57	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		07/30/25 09:16	07/30/25 14:57	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/30/25 09:16	07/30/25 14:57	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		07/30/25 09:16	07/30/25 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/30/25 09:16	07/30/25 14:57	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/30/25 09:16	07/30/25 14:57	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-71-3'

Lab Sample ID: 880-60913-14

Date Collected: 07/25/25 11:40

Matrix: Solid

Date Received: 07/30/25 07:54

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			07/30/25 14:57	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	50.1	15.1	mg/Kg			07/30/25 14:14	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	<14.5	U	50.1	14.5	mg/Kg		07/30/25 08:10	07/30/25 14:14	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		07/30/25 08:10	07/30/25 14:14	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		07/30/25 08:10	07/30/25 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/30/25 08:10	07/30/25 14:14	1
o-Terphenyl	96		70 - 130				07/30/25 08:10	07/30/25 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.9		10.1	0.398	mg/Kg			07/30/25 12:23	1

Client Sample ID: B-76-3'

Lab Sample ID: 880-60913-15

Date Collected: 07/25/25 12:00

Matrix: Solid

Date Received: 07/30/25 07:54

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		07/30/25 09:16	07/30/25 15:18	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/30/25 09:16	07/30/25 15:18	1
Ethylbenzene	0.00142	J	0.00199	0.00108	mg/Kg		07/30/25 09:16	07/30/25 15:18	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/30/25 09:16	07/30/25 15:18	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/30/25 09:16	07/30/25 15:18	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/30/25 09:16	07/30/25 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/30/25 09:16	07/30/25 15:18	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/30/25 09:16	07/30/25 15:18	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			07/30/25 15:18	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			07/30/25 14:28	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	<14.5	U	49.8	14.5	mg/Kg		07/30/25 08:10	07/30/25 14:28	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/30/25 08:10	07/30/25 14:28	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-76-3'
Date Collected: 07/25/25 12:00
Date Received: 07/30/25 07:54

Lab Sample ID: 880-60913-15
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)	<15.1	U	49.8	15.1	mg/Kg		07/30/25 08:10	07/30/25 14:28	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	90		70 - 130				07/30/25 08:10	07/30/25 14:28	1	
o-Terphenyl	92		70 - 130				07/30/25 08:10	07/30/25 14:28	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	429		10.0	0.396	mg/Kg			07/30/25 12:29	1	

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-60913-1	SW-8-0-3'	85	89
880-60913-1 MS	SW-8-0-3'	103	98
880-60913-1 MSD	SW-8-0-3'	90	93
880-60913-2	SW-9-0-3'	86	87
880-60913-3	SW-10-0-3'	107	84
880-60913-4	B-56-4'	91	94
880-60913-5	B-57-4'	95	97
880-60913-6	B-58-4'	96	82
880-60913-7	B-59-4'	91	67 S1-
880-60913-8	B-60-5'	95	83
880-60913-9	B-61-3'	101	100
880-60913-10	B-62-3'	105	98
880-60913-11	B-63-4'	103	93
880-60913-12	B-66-3'	103	95
880-60913-13	B-67-3'	108	90
880-60913-14	B-71-3'	97	95
880-60913-15	B-76-3'	98	104
LCS 880-115294/1-A	Lab Control Sample	110	100
LCS 880-115364/1-A	Lab Control Sample	91	102
LCSD 880-115294/2-A	Lab Control Sample Dup	108	100
LCSD 880-115364/2-A	Lab Control Sample Dup	92	102
MB 880-115294/5-A	Method Blank	103	92
MB 880-115364/5-A	Method Blank	80	86
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-60913-1	SW-8-0-3'	94	97
880-60913-2	SW-9-0-3'	91	94
880-60913-3	SW-10-0-3'	90	93
880-60913-4	B-56-4'	89	91
880-60913-5	B-57-4'	91	94
880-60913-6	B-58-4'	91	94
880-60913-7	B-59-4'	90	93
880-60913-8	B-60-5'	88	91
880-60913-9	B-61-3'	90	93
880-60913-10	B-62-3'	91	94
880-60913-11	B-63-4'	91	94
880-60913-12	B-66-3'	90	93
880-60913-13	B-67-3'	89	92
880-60913-14	B-71-3'	92	96
880-60913-15	B-76-3'	90	92
LCS 880-115354/2-A	Lab Control Sample	117	117

Eurofins Midland

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea 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)				
LCSD 880-115354/3-A	Lab Control Sample Dup	116	116				
MB 880-115354/1-A	Method Blank	97	108				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115294/5-A

Matrix: Solid

Analysis Batch: 115358

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/29/25 13:17	07/30/25 11:52	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/29/25 13:17	07/30/25 11:52	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/29/25 13:17	07/30/25 11:52	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/29/25 13:17	07/30/25 11:52	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/29/25 13:17	07/30/25 11:52	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/29/25 13:17	07/30/25 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/29/25 13:17	07/30/25 11:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/29/25 13:17	07/30/25 11:52	1

Lab Sample ID: LCS 880-115294/1-A

Matrix: Solid

Analysis Batch: 115358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09707		mg/Kg		97	70 - 130
Toluene	0.100	0.09218		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2065		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-115294/2-A

Matrix: Solid

Analysis Batch: 115358

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115294

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09902		mg/Kg		99	70 - 130	2	35
Toluene	0.100	0.09581		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2133		mg/Kg		107	70 - 130	3	35
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-115364/5-A

Matrix: Solid

Analysis Batch: 115359

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/30/25 09:21	07/30/25 11:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/30/25 09:21	07/30/25 11:45	1

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-115364/5-A

Matrix: Solid

Analysis Batch: 115359

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/30/25 09:21	07/30/25 11:45	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/30/25 09:21	07/30/25 11:45	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/30/25 09:21	07/30/25 11:45	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/30/25 09:21	07/30/25 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	07/30/25 09:21	07/30/25 11:45	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/30/25 09:21	07/30/25 11:45	1

Lab Sample ID: LCS 880-115364/1-A

Matrix: Solid

Analysis Batch: 115359

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1057		mg/Kg		106	70 - 130
Toluene	0.100	0.09844		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1123		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2151		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1036		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-115364/2-A

Matrix: Solid

Analysis Batch: 115359

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1008		mg/Kg		101	70 - 130	5	35
Toluene	0.100	0.09704		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.1079		mg/Kg		108	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130	5	35
o-Xylene	0.100	0.1005		mg/Kg		101	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-60913-1 MS

Matrix: Solid

Analysis Batch: 115359

Client Sample ID: SW-8-0-3'

Prep Type: Total/NA

Prep Batch: 115364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00139	U	0.100	0.08761		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.100	0.08758		mg/Kg		88	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.09853		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1805		mg/Kg		90	70 - 130

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

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

Lab Sample ID: 880-60913-1 MS

Matrix: Solid

Analysis Batch: 115359

Client Sample ID: SW-8-0-3'

Prep Type: Total/NA

Prep Batch: 115364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00158	U	0.100	0.08666		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: 880-60913-1 MSD

Matrix: Solid

Analysis Batch: 115359

Client Sample ID: SW-8-0-3'

Prep Type: Total/NA

Prep Batch: 115364

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	0.09513		mg/Kg		95	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.09051		mg/Kg		91	70 - 130	3	35
Ethylbenzene	<0.00109	U	0.100	0.1018		mg/Kg		102	70 - 130	3	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1947		mg/Kg		97	70 - 130	8	35
o-Xylene	<0.00158	U	0.100	0.09518		mg/Kg		95	70 - 130	9	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	90		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

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

Lab Sample ID: MB 880-115354/1-A

Matrix: Solid

Analysis Batch: 115391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115354

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		07/30/25 08:10	07/30/25 07:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 07:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/30/25 08:10	07/30/25 07:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	97		70 - 130	07/30/25 08:10	07/30/25 07:06	1			
o-Terphenyl	108		70 - 130	07/30/25 08:10	07/30/25 07:06	1			

Lab Sample ID: LCS 880-115354/2-A

Matrix: Solid

Analysis Batch: 115391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	983.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	860.9		mg/Kg		86	70 - 130

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-115354/2-A

Matrix: Solid

Analysis Batch: 115391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115354

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

Lab Sample ID: LCSD 880-115354/3-A

Matrix: Solid

Analysis Batch: 115391

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115354

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1013		mg/Kg		101	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)			1000	858.4		mg/Kg		86	70 - 130	0	20	
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier										
1-Chlorooctane	116											
o-Terphenyl	116											

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115365/1-A

Matrix: Solid

Analysis Batch: 115396

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<0.395	U	10.0	0.395	mg/Kg			07/30/25 10:07	1		

Lab Sample ID: LCS 880-115365/2-A

Matrix: Solid

Analysis Batch: 115396

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	238.6		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-115365/3-A

Matrix: Solid

Analysis Batch: 115396

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride			250	239.5		mg/Kg		96	90 - 110	0	20	

Lab Sample ID: 880-60913-1 MS

Matrix: Solid

Analysis Batch: 115396

Client Sample ID: SW-8-0-3'

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	150		252	400.3		mg/Kg		99	90 - 110		

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QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-60913-1 MSD										Client Sample ID: SW-8-0-3'		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 115396												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	150		252	401.6		mg/Kg		100	90 - 110	0	20	

Lab Sample ID: 880-60913-11 MS										Client Sample ID: B-63-4'		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 115396												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	201		249	449.6		mg/Kg		100	90 - 110			

Lab Sample ID: 880-60913-11 MSD										Client Sample ID: B-63-4'		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 115396												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	201		249	450.5		mg/Kg		100	90 - 110	0	20	

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

GC VOA

Prep Batch: 115294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-9	B-61-3'	Total/NA	Solid	5030B	
880-60913-10	B-62-3'	Total/NA	Solid	5030B	
880-60913-11	B-63-4'	Total/NA	Solid	5030B	
880-60913-12	B-66-3'	Total/NA	Solid	5030B	
880-60913-13	B-67-3'	Total/NA	Solid	5030B	
880-60913-14	B-71-3'	Total/NA	Solid	5030B	
880-60913-15	B-76-3'	Total/NA	Solid	5030B	
MB 880-115294/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-115294/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-115294/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 115358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-9	B-61-3'	Total/NA	Solid	8021B	115294
880-60913-10	B-62-3'	Total/NA	Solid	8021B	115294
880-60913-11	B-63-4'	Total/NA	Solid	8021B	115294
880-60913-12	B-66-3'	Total/NA	Solid	8021B	115294
880-60913-13	B-67-3'	Total/NA	Solid	8021B	115294
880-60913-14	B-71-3'	Total/NA	Solid	8021B	115294
880-60913-15	B-76-3'	Total/NA	Solid	8021B	115294
MB 880-115294/5-A	Method Blank	Total/NA	Solid	8021B	115294
LCS 880-115294/1-A	Lab Control Sample	Total/NA	Solid	8021B	115294
LCSD 880-115294/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115294

Analysis Batch: 115359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Total/NA	Solid	8021B	115364
880-60913-2	SW-9-0-3'	Total/NA	Solid	8021B	115364
880-60913-3	SW-10-0-3'	Total/NA	Solid	8021B	115364
880-60913-4	B-56-4'	Total/NA	Solid	8021B	115364
880-60913-5	B-57-4'	Total/NA	Solid	8021B	115364
880-60913-6	B-58-4'	Total/NA	Solid	8021B	115364
880-60913-7	B-59-4'	Total/NA	Solid	8021B	115364
880-60913-8	B-60-5'	Total/NA	Solid	8021B	115364
MB 880-115364/5-A	Method Blank	Total/NA	Solid	8021B	115364
LCS 880-115364/1-A	Lab Control Sample	Total/NA	Solid	8021B	115364
LCSD 880-115364/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115364
880-60913-1 MS	SW-8-0-3'	Total/NA	Solid	8021B	115364
880-60913-1 MSD	SW-8-0-3'	Total/NA	Solid	8021B	115364

Prep Batch: 115364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Total/NA	Solid	5030B	
880-60913-2	SW-9-0-3'	Total/NA	Solid	5030B	
880-60913-3	SW-10-0-3'	Total/NA	Solid	5030B	
880-60913-4	B-56-4'	Total/NA	Solid	5030B	
880-60913-5	B-57-4'	Total/NA	Solid	5030B	
880-60913-6	B-58-4'	Total/NA	Solid	5030B	
880-60913-7	B-59-4'	Total/NA	Solid	5030B	
880-60913-8	B-60-5'	Total/NA	Solid	5030B	
MB 880-115364/5-A	Method Blank	Total/NA	Solid	5030B	

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 115364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-115364/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-115364/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
880-60913-1 MS	SW-8-0-3'	Total/NA	Solid	5030B	
880-60913-1 MSD	SW-8-0-3'	Total/NA	Solid	5030B	

Analysis Batch: 115443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Total/NA	Solid	Total BTEX	
880-60913-2	SW-9-0-3'	Total/NA	Solid	Total BTEX	
880-60913-3	SW-10-0-3'	Total/NA	Solid	Total BTEX	
880-60913-4	B-56-4'	Total/NA	Solid	Total BTEX	
880-60913-5	B-57-4'	Total/NA	Solid	Total BTEX	
880-60913-6	B-58-4'	Total/NA	Solid	Total BTEX	
880-60913-7	B-59-4'	Total/NA	Solid	Total BTEX	
880-60913-8	B-60-5'	Total/NA	Solid	Total BTEX	
880-60913-9	B-61-3'	Total/NA	Solid	Total BTEX	
880-60913-10	B-62-3'	Total/NA	Solid	Total BTEX	
880-60913-11	B-63-4'	Total/NA	Solid	Total BTEX	
880-60913-12	B-66-3'	Total/NA	Solid	Total BTEX	
880-60913-13	B-67-3'	Total/NA	Solid	Total BTEX	
880-60913-14	B-71-3'	Total/NA	Solid	Total BTEX	
880-60913-15	B-76-3'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Total/NA	Solid	8015NM Prep	
880-60913-2	SW-9-0-3'	Total/NA	Solid	8015NM Prep	
880-60913-3	SW-10-0-3'	Total/NA	Solid	8015NM Prep	
880-60913-4	B-56-4'	Total/NA	Solid	8015NM Prep	
880-60913-5	B-57-4'	Total/NA	Solid	8015NM Prep	
880-60913-6	B-58-4'	Total/NA	Solid	8015NM Prep	
880-60913-7	B-59-4'	Total/NA	Solid	8015NM Prep	
880-60913-8	B-60-5'	Total/NA	Solid	8015NM Prep	
880-60913-9	B-61-3'	Total/NA	Solid	8015NM Prep	
880-60913-10	B-62-3'	Total/NA	Solid	8015NM Prep	
880-60913-11	B-63-4'	Total/NA	Solid	8015NM Prep	
880-60913-12	B-66-3'	Total/NA	Solid	8015NM Prep	
880-60913-13	B-67-3'	Total/NA	Solid	8015NM Prep	
880-60913-14	B-71-3'	Total/NA	Solid	8015NM Prep	
880-60913-15	B-76-3'	Total/NA	Solid	8015NM Prep	
MB 880-115354/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115354/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Total/NA	Solid	8015B NM	115354
880-60913-2	SW-9-0-3'	Total/NA	Solid	8015B NM	115354
880-60913-3	SW-10-0-3'	Total/NA	Solid	8015B NM	115354

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QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 115391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-4	B-56-4'	Total/NA	Solid	8015B NM	115354
880-60913-5	B-57-4'	Total/NA	Solid	8015B NM	115354
880-60913-6	B-58-4'	Total/NA	Solid	8015B NM	115354
880-60913-7	B-59-4'	Total/NA	Solid	8015B NM	115354
880-60913-8	B-60-5'	Total/NA	Solid	8015B NM	115354
880-60913-9	B-61-3'	Total/NA	Solid	8015B NM	115354
880-60913-10	B-62-3'	Total/NA	Solid	8015B NM	115354
880-60913-11	B-63-4'	Total/NA	Solid	8015B NM	115354
880-60913-12	B-66-3'	Total/NA	Solid	8015B NM	115354
880-60913-13	B-67-3'	Total/NA	Solid	8015B NM	115354
880-60913-14	B-71-3'	Total/NA	Solid	8015B NM	115354
880-60913-15	B-76-3'	Total/NA	Solid	8015B NM	115354
MB 880-115354/1-A	Method Blank	Total/NA	Solid	8015B NM	115354
LCS 880-115354/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115354
LCSD 880-115354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115354

Analysis Batch: 115447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Total/NA	Solid	8015 NM	
880-60913-2	SW-9-0-3'	Total/NA	Solid	8015 NM	
880-60913-3	SW-10-0-3'	Total/NA	Solid	8015 NM	
880-60913-4	B-56-4'	Total/NA	Solid	8015 NM	
880-60913-5	B-57-4'	Total/NA	Solid	8015 NM	
880-60913-6	B-58-4'	Total/NA	Solid	8015 NM	
880-60913-7	B-59-4'	Total/NA	Solid	8015 NM	
880-60913-8	B-60-5'	Total/NA	Solid	8015 NM	
880-60913-9	B-61-3'	Total/NA	Solid	8015 NM	
880-60913-10	B-62-3'	Total/NA	Solid	8015 NM	
880-60913-11	B-63-4'	Total/NA	Solid	8015 NM	
880-60913-12	B-66-3'	Total/NA	Solid	8015 NM	
880-60913-13	B-67-3'	Total/NA	Solid	8015 NM	
880-60913-14	B-71-3'	Total/NA	Solid	8015 NM	
880-60913-15	B-76-3'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Soluble	Solid	DI Leach	
880-60913-2	SW-9-0-3'	Soluble	Solid	DI Leach	
880-60913-3	SW-10-0-3'	Soluble	Solid	DI Leach	
880-60913-4	B-56-4'	Soluble	Solid	DI Leach	
880-60913-5	B-57-4'	Soluble	Solid	DI Leach	
880-60913-6	B-58-4'	Soluble	Solid	DI Leach	
880-60913-7	B-59-4'	Soluble	Solid	DI Leach	
880-60913-8	B-60-5'	Soluble	Solid	DI Leach	
880-60913-9	B-61-3'	Soluble	Solid	DI Leach	
880-60913-10	B-62-3'	Soluble	Solid	DI Leach	
880-60913-11	B-63-4'	Soluble	Solid	DI Leach	
880-60913-12	B-66-3'	Soluble	Solid	DI Leach	
880-60913-13	B-67-3'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 115365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-14	B-71-3'	Soluble	Solid	DI Leach	
880-60913-15	B-76-3'	Soluble	Solid	DI Leach	
MB 880-115365/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115365/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115365/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60913-1 MS	SW-8-0-3'	Soluble	Solid	DI Leach	
880-60913-1 MSD	SW-8-0-3'	Soluble	Solid	DI Leach	
880-60913-11 MS	B-63-4'	Soluble	Solid	DI Leach	
880-60913-11 MSD	B-63-4'	Soluble	Solid	DI Leach	

Analysis Batch: 115396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60913-1	SW-8-0-3'	Soluble	Solid	300.0	115365
880-60913-2	SW-9-0-3'	Soluble	Solid	300.0	115365
880-60913-3	SW-10-0-3'	Soluble	Solid	300.0	115365
880-60913-4	B-56-4'	Soluble	Solid	300.0	115365
880-60913-5	B-57-4'	Soluble	Solid	300.0	115365
880-60913-6	B-58-4'	Soluble	Solid	300.0	115365
880-60913-7	B-59-4'	Soluble	Solid	300.0	115365
880-60913-8	B-60-5'	Soluble	Solid	300.0	115365
880-60913-9	B-61-3'	Soluble	Solid	300.0	115365
880-60913-10	B-62-3'	Soluble	Solid	300.0	115365
880-60913-11	B-63-4'	Soluble	Solid	300.0	115365
880-60913-12	B-66-3'	Soluble	Solid	300.0	115365
880-60913-13	B-67-3'	Soluble	Solid	300.0	115365
880-60913-14	B-71-3'	Soluble	Solid	300.0	115365
880-60913-15	B-76-3'	Soluble	Solid	300.0	115365
MB 880-115365/1-A	Method Blank	Soluble	Solid	300.0	115365
LCS 880-115365/2-A	Lab Control Sample	Soluble	Solid	300.0	115365
LCSD 880-115365/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115365
880-60913-1 MS	SW-8-0-3'	Soluble	Solid	300.0	115365
880-60913-1 MSD	SW-8-0-3'	Soluble	Solid	300.0	115365
880-60913-11 MS	B-63-4'	Soluble	Solid	300.0	115365
880-60913-11 MSD	B-63-4'	Soluble	Solid	300.0	115365

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: SW-8-0-3'
Date Collected: 07/25/25 13:00
Date Received: 07/30/25 07:54

Lab Sample ID: 880-60913-1
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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 12:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 12:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 10:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 10:56	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 10:24	CS	EET MID

Client Sample ID: SW-9-0-3'
Date Collected: 07/25/25 12:20
Date Received: 07/30/25 07:54

Lab Sample ID: 880-60913-2
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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 12:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 11:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 11:12	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 10:41	CS	EET MID

Client Sample ID: SW-10-0-3'
Date Collected: 07/25/25 12:10
Date Received: 07/30/25 07:54

Lab Sample ID: 880-60913-3
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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 12:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 11:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 11:27	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 10:47	CS	EET MID

Client Sample ID: B-56-4'
Date Collected: 07/25/25 09:00
Date Received: 07/30/25 07:54

Lab Sample ID: 880-60913-4
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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 13:08	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-56-4'

Lab Sample ID: 880-60913-4

Date Collected: 07/25/25 09:00

Matrix: Solid

Date Received: 07/30/25 07:54

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			115447	07/30/25 11:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 11:42	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 10:52	CS	EET MID

Client Sample ID: B-57-4'

Lab Sample ID: 880-60913-5

Date Collected: 07/25/25 09:10

Matrix: Solid

Date Received: 07/30/25 07:54

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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 13:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 11:58	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 11:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 10:58	CS	EET MID

Client Sample ID: B-58-4'

Lab Sample ID: 880-60913-6

Date Collected: 07/25/25 09:20

Matrix: Solid

Date Received: 07/30/25 07:54

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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 13:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 12:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 12:13	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 11:15	CS	EET MID

Client Sample ID: B-59-4'

Lab Sample ID: 880-60913-7

Date Collected: 07/25/25 09:30

Matrix: Solid

Date Received: 07/30/25 07:54

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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 14:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 12:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 12:28	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-59-4'**Lab Sample ID: 880-60913-7****Date Collected: 07/25/25 09:30****Matrix: Solid****Date Received: 07/30/25 07:54**

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	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 11:21	CS	EET MID

Client Sample ID: B-60-5'**Lab Sample ID: 880-60913-8****Date Collected: 07/25/25 09:45****Matrix: Solid****Date Received: 07/30/25 07:54**

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	115364	07/30/25 09:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115359	07/30/25 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 14:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 12:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 12:43	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 11:26	CS	EET MID

Client Sample ID: B-61-3'**Lab Sample ID: 880-60913-9****Date Collected: 07/25/25 09:55****Matrix: Solid****Date Received: 07/30/25 07:54**

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	115294	07/30/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115358	07/30/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 13:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 12:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 12:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 11:32	CS	EET MID

Client Sample ID: B-62-3'**Lab Sample ID: 880-60913-10****Date Collected: 07/25/25 10:00****Matrix: Solid****Date Received: 07/30/25 07:54**

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	115294	07/30/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115358	07/30/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 13:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 13:13	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 13:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 11:38	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-63-4'**Date Collected: 07/25/25 10:15****Date Received: 07/30/25 07:54****Lab Sample ID: 880-60913-11****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.00 g	5 mL	115294	07/30/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115358	07/30/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 13:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 13:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 13:28	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 11:43	CS	EET MID

Client Sample ID: B-66-3'**Date Collected: 07/25/25 11:00****Date Received: 07/30/25 07:54****Lab Sample ID: 880-60913-12****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	115294	07/30/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115358	07/30/25 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 14:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 13:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 13:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 12:00	CS	EET MID

Client Sample ID: B-67-3'**Date Collected: 07/25/25 11:10****Date Received: 07/30/25 07:54****Lab Sample ID: 880-60913-13****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	115294	07/30/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115358	07/30/25 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 14:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 13:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 13:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 12:06	CS	EET MID

Client Sample ID: B-71-3'**Date Collected: 07/25/25 11:40****Date Received: 07/30/25 07:54****Lab Sample ID: 880-60913-14****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			4.97 g	5 mL	115294	07/30/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115358	07/30/25 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 14:57	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Client Sample ID: B-71-3'
Date Collected: 07/25/25 11:40
Date Received: 07/30/25 07:54

Lab Sample ID: 880-60913-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115447	07/30/25 14:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 14:14	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 12:23	CS	EET MID

Client Sample ID: B-76-3'
Date Collected: 07/25/25 12:00
Date Received: 07/30/25 07:54

Lab Sample ID: 880-60913-15
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	115294	07/30/25 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115358	07/30/25 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115443	07/30/25 15:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			115447	07/30/25 14:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	115354	07/30/25 08:10	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115391	07/30/25 14:28	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115365	07/30/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			115396	07/30/25 12:29	CS	EET MID

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

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea 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	06-30-26
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: WLU 86

Job ID: 880-60913-1
SDG: Lea 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
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60913-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-60913-1	SW-8-0-3'	Solid	07/25/25 13:00	07/30/25 07:54
880-60913-2	SW-9-0-3'	Solid	07/25/25 12:20	07/30/25 07:54
880-60913-3	SW-10-0-3'	Solid	07/25/25 12:10	07/30/25 07:54
880-60913-4	B-56-4'	Solid	07/25/25 09:00	07/30/25 07:54
880-60913-5	B-57-4'	Solid	07/25/25 09:10	07/30/25 07:54
880-60913-6	B-58-4'	Solid	07/25/25 09:20	07/30/25 07:54
880-60913-7	B-59-4'	Solid	07/25/25 09:30	07/30/25 07:54
880-60913-8	B-60-5'	Solid	07/25/25 09:45	07/30/25 07:54
880-60913-9	B-61-3'	Solid	07/25/25 09:55	07/30/25 07:54
880-60913-10	B-62-3'	Solid	07/25/25 10:00	07/30/25 07:54
880-60913-11	B-63-4'	Solid	07/25/25 10:15	07/30/25 07:54
880-60913-12	B-66-3'	Solid	07/25/25 11:00	07/30/25 07:54
880-60913-13	B-67-3'	Solid	07/25/25 11:10	07/30/25 07:54
880-60913-14	B-71-3'	Solid	07/25/25 11:40	07/30/25 07:54
880-60913-15	B-76-3'	Solid	07/25/25 12:00	07/30/25 07:54



Environment Testing

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
Little Rock, AR (501) 224-5060



880-60913 Chain of Custody

Page 1 of 2

Project Manager:	Morgan Jordan	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	281-644-9437	Email:	douglas.jordan@arcadis.com

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

Project Name:		WLU 86		Turn Around		ANALYSIS REQUEST																Preservative Codes					
Project Number:		30246541.00004		☐ Routine ☐ Rush		Pres. Code																		None: NO DI Water: H ₂ O			
Project Location:		Lea County, NM		Due Date:		3-Day																		Cool: Cool MeOH: Me			
Sampler's Name:		Luis Esparza		TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC HNO ₃					
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐																		H ₃ PO ₄ : HP	
Samples Received Intact:		Yes ☒ No ☐		Thermometer ID:		TR8																		NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Correction Factor:		-1																		Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		4.7																		Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:		4.6																		NaOH+Ascorbic Acid: SAPC			
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Chloride	BTEX	TPH															Sample Comments		
SW-8-0-3'		S	07/25/25	1300		C	1	X	X	X																	
SW-9-0-3'		S		1220			1	X	X	X																	
SW-10-0-3'		S		1210			1	X	X	X																	
B-56-4'		S		0900			1	X	X	X																	
B-57-4'		S		0910			1	X	X	X																	
B-58-4'		S		0920			1	X	X	X																	
B-59-4'		S		0930			1	X	X	X																	
B-60-5'		S		0945			1	X	X	X																	
B-61-3'		S		0955			1	X	X	X																	
B-62-3'		S		1005		X	1	X	X	X																	

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010:		8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U	Hg: 1631 / 245.1 / 7470 / 7471											

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 L. Esparza		7/30/25 800	2		
3			4		
5			6		

For X

Revised Date: 08/25/2020 Rev. 2020.2



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
Little Rock, AR (501) 224-5080

Work Order No: _____

Page 2 of 2

Project Manager:	Morgan Jordan	Bill to: (if different)	
Company Name:	Arcadis	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	281-644-9437	Email:	douglas.jordan@arcadis.com

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

[illegible]

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010:		8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U	Hg: 1631 / 245.1 / 7470 / 7471											

Notice: Signature of this document and relinquishment of sample 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 \$3 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	
1	<i>L. Esposito</i>			2	
3				4	
5				6	

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 880-60913-1
SDG Number: Lea County, NM

Login Number: 60913

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Morgan Jordan
Arcadis US Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Generated 8/5/2025 10:23:43 AM

JOB DESCRIPTION

WLU 86

JOB NUMBER

880-60974-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/5/2025 10:23:43 AM

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

Client: Arcadis US Inc.
Project/Site: WLU 86

Laboratory Job ID: 880-60974-1

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Definitions/Glossary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Arcadis US Inc.
Project: WLU 86

Job ID: 880-60974-1

Job ID: 880-60974-1

Eurofins Midland

Job Narrative 880-60974-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 7/31/2025 12:06 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 4.4°C.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-64-7' (880-60974-1), B-65-16' (880-60974-2), B-82-7' (880-60974-3), (CCV 880-115461/2), (CCV 880-115461/20), (LCS 880-115496/1-A), (LCSD 880-115496/2-A), (MB 880-115496/5-A), (880-60963-A-1-D), (880-60963-A-1-B MS) and (880-60963-A-1-C 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: The method blank for preparation batch 880-115701 and analytical batch 880-115702 contained 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

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

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Client Sample ID: B-64-7'

Lab Sample ID: 880-60974-1

Date Collected: 07/28/25 09:00

Matrix: Solid

Date Received: 07/31/25 12:06

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	-	07/31/25 13:00	07/31/25 15:09	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/31/25 13:00	07/31/25 15:09	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/31/25 13:00	07/31/25 15:09	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/31/25 13:00	07/31/25 15:09	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/31/25 13:00	07/31/25 15:09	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/31/25 13:00	07/31/25 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	07/31/25 13:00	07/31/25 15:09	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/31/25 13:00	07/31/25 15:09	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	-		07/31/25 15:09	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	-		08/02/25 16:49	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	49.8	14.5	mg/Kg	-	07/31/25 08:03	08/02/25 16:49	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg	-	07/31/25 08:03	08/02/25 16:49	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg	-	07/31/25 08:03	08/02/25 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/31/25 08:03	08/02/25 16:49	1
o-Terphenyl	113		70 - 130	07/31/25 08:03	08/02/25 16:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		10.0	0.396	mg/Kg	-		08/01/25 03:43	1

Client Sample ID: B-65-16'

Lab Sample ID: 880-60974-2

Date Collected: 07/28/25 14:30

Matrix: Solid

Date Received: 07/31/25 12:06

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	-	07/31/25 13:00	07/31/25 15:29	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/31/25 13:00	07/31/25 15:29	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/31/25 13:00	07/31/25 15:29	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/31/25 13:00	07/31/25 15:29	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/31/25 13:00	07/31/25 15:29	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/31/25 13:00	07/31/25 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	07/31/25 13:00	07/31/25 15:29	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/31/25 13:00	07/31/25 15:29	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Client Sample ID: B-65-16'

Lab Sample ID: 880-60974-2

Date Collected: 07/28/25 14:30

Matrix: Solid

Date Received: 07/31/25 12:06

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			07/31/25 15:29	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			08/05/25 08:30	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	50.0	14.5	mg/Kg		08/04/25 09:07	08/05/25 08:30	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/04/25 09:07	08/05/25 08:30	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/04/25 09:07	08/05/25 08:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/04/25 09:07	08/05/25 08:30	1
o-Terphenyl	97		70 - 130				08/04/25 09:07	08/05/25 08:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		9.90	0.391	mg/Kg			08/01/25 04:06	1

Client Sample ID: B-82-7'

Lab Sample ID: 880-60974-3

Date Collected: 07/28/25 13:00

Matrix: Solid

Date Received: 07/31/25 12:06

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		07/31/25 13:00	07/31/25 15:50	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/31/25 13:00	07/31/25 15:50	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/31/25 13:00	07/31/25 15:50	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/31/25 13:00	07/31/25 15:50	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/31/25 13:00	07/31/25 15:50	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/31/25 13:00	07/31/25 15:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				07/31/25 13:00	07/31/25 15:50	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/31/25 13:00	07/31/25 15:50	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			07/31/25 15:50	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			08/05/25 08:47	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	49.8	14.5	mg/Kg		08/04/25 09:07	08/05/25 08:47	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		08/04/25 09:07	08/05/25 08:47	1

Eurofins Midland

Client Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Client Sample ID: B-82-7'
Date Collected: 07/28/25 13:00
Date Received: 07/31/25 12:06

Lab Sample ID: 880-60974-3
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)	<15.1	U	49.8	15.1	mg/Kg		08/04/25 09:07	08/05/25 08:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130				08/04/25 09:07	08/05/25 08:47	1	
o-Terphenyl	96		70 - 130				08/04/25 09:07	08/05/25 08:47	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	111		10.1	0.398	mg/Kg			08/01/25 04:13	1	

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-60974-1	B-64-7'	135 S1+	85
880-60974-2	B-65-16'	149 S1+	87
880-60974-3	B-82-7'	142 S1+	88
LCS 880-115496/1-A	Lab Control Sample	134 S1+	93
LCSD 880-115496/2-A	Lab Control Sample Dup	131 S1+	92
MB 880-115496/5-A	Method Blank	137 S1+	84
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)
880-60974-1	B-64-7'	107	113
880-60974-2	B-65-16'	98	97
880-60974-3	B-82-7'	96	96
LCS 880-115466/2-A	Lab Control Sample	126	129
LCS 880-115701/2-A	Lab Control Sample	109	99
LCSD 880-115466/3-A	Lab Control Sample Dup	122	123
LCSD 880-115701/3-A	Lab Control Sample Dup	109	99
MB 880-115466/1-A	Method Blank	100	113
MB 880-115701/1-A	Method Blank	86	90
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115496/5-A

Matrix: Solid

Analysis Batch: 115461

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/31/25 10:13	07/31/25 11:59	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/31/25 10:13	07/31/25 11:59	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/31/25 10:13	07/31/25 11:59	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/31/25 10:13	07/31/25 11:59	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/31/25 10:13	07/31/25 11:59	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/31/25 10:13	07/31/25 11:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	07/31/25 10:13	07/31/25 11:59	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/31/25 10:13	07/31/25 11:59	1

Lab Sample ID: LCS 880-115496/1-A

Matrix: Solid

Analysis Batch: 115461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1218		mg/Kg		122	70 - 130
Toluene	0.100	0.1074		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1150		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2227		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1134		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-115496/2-A

Matrix: Solid

Analysis Batch: 115461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115496

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1100		mg/Kg		110	70 - 130	10	35
Toluene	0.100	0.09524		mg/Kg		95	70 - 130	12	35
Ethylbenzene	0.100	0.09711		mg/Kg		97	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1871		mg/Kg		94	70 - 130	17	35
o-Xylene	0.100	0.09479		mg/Kg		95	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

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

Lab Sample ID: MB 880-115466/1-A

Matrix: Solid

Analysis Batch: 115627

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115466

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		07/31/25 08:03	08/02/25 07:45	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/31/25 08:03	08/02/25 07:45	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/31/25 08:03	08/02/25 07:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/31/25 08:03	08/02/25 07:45	1
o-Terphenyl	113		70 - 130				07/31/25 08:03	08/02/25 07:45	1

Lab Sample ID: LCS 880-115466/2-A

Matrix: Solid

Analysis Batch: 115627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115466

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	948.7		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	126		70 - 130				
o-Terphenyl	129		70 - 130				

Lab Sample ID: LCSD 880-115466/3-A

Matrix: Solid

Analysis Batch: 115627

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115466

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1018		mg/Kg		102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	914.6		mg/Kg		91	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	122		70 - 130						
o-Terphenyl	123		70 - 130						

Lab Sample ID: MB 880-115701/1-A

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115701

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		08/04/25 09:07	08/05/25 02:11	1
Diesel Range Organics (Over C10-C28)	15.25	J	50.0	15.1	mg/Kg		08/04/25 09:07	08/05/25 02:11	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/04/25 09:07	08/05/25 02:11	1

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

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

Lab Sample ID: MB 880-115701/1-A

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115701

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	86		70 - 130	08/04/25 09:07	08/05/25 02:11	1				
o-Terphenyl	90		70 - 130	08/04/25 09:07	08/05/25 02:11	1				

Lab Sample ID: LCS 880-115701/2-A

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115701

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1084		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1064		mg/Kg		106	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: LCSD 880-115701/3-A

Matrix: Solid

Analysis Batch: 115702

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115701

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1084		mg/Kg		108	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)			1000	1073		mg/Kg		107	70 - 130	1	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	109		70 - 130									
o-Terphenyl	99		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115530/1-A

Matrix: Solid

Analysis Batch: 115543

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac	
Chloride	<0.395	U	10.0	0.395	mg/Kg			08/01/25 01:03	1		

Lab Sample ID: LCS 880-115530/2-A

Matrix: Solid

Analysis Batch: 115543

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	260.0		mg/Kg		104	90 - 110		

Eurofins Midland

QC Sample Results

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-115530/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 115543											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	267.0		mg/Kg		107	90 - 110	3	20		

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

GC VOA

Analysis Batch: 115461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Total/NA	Solid	8021B	115496
880-60974-2	B-65-16'	Total/NA	Solid	8021B	115496
880-60974-3	B-82-7'	Total/NA	Solid	8021B	115496
MB 880-115496/5-A	Method Blank	Total/NA	Solid	8021B	115496
LCS 880-115496/1-A	Lab Control Sample	Total/NA	Solid	8021B	115496
LCSD 880-115496/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115496

Prep Batch: 115496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Total/NA	Solid	5030B	
880-60974-2	B-65-16'	Total/NA	Solid	5030B	
880-60974-3	B-82-7'	Total/NA	Solid	5030B	
MB 880-115496/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-115496/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-115496/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 115571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Total/NA	Solid	Total BTEX	
880-60974-2	B-65-16'	Total/NA	Solid	Total BTEX	
880-60974-3	B-82-7'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Total/NA	Solid	8015NM Prep	
MB 880-115466/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115466/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Total/NA	Solid	8015B NM	115466
MB 880-115466/1-A	Method Blank	Total/NA	Solid	8015B NM	115466
LCS 880-115466/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115466
LCSD 880-115466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115466

Prep Batch: 115701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-2	B-65-16'	Total/NA	Solid	8015NM Prep	
880-60974-3	B-82-7'	Total/NA	Solid	8015NM Prep	
MB 880-115701/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115701/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-2	B-65-16'	Total/NA	Solid	8015B NM	115701
880-60974-3	B-82-7'	Total/NA	Solid	8015B NM	115701
MB 880-115701/1-A	Method Blank	Total/NA	Solid	8015B NM	115701

Eurofins Midland

QC Association Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

GC Semi VOA (Continued)

Analysis Batch: 115702 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-115701/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115701
LCSD 880-115701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115701

Analysis Batch: 115720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Total/NA	Solid	8015 NM	
880-60974-2	B-65-16'	Total/NA	Solid	8015 NM	
880-60974-3	B-82-7'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Soluble	Solid	DI Leach	
880-60974-2	B-65-16'	Soluble	Solid	DI Leach	
880-60974-3	B-82-7'	Soluble	Solid	DI Leach	
MB 880-115530/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115530/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115530/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 115543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60974-1	B-64-7'	Soluble	Solid	300.0	115530
880-60974-2	B-65-16'	Soluble	Solid	300.0	115530
880-60974-3	B-82-7'	Soluble	Solid	300.0	115530
MB 880-115530/1-A	Method Blank	Soluble	Solid	300.0	115530
LCS 880-115530/2-A	Lab Control Sample	Soluble	Solid	300.0	115530
LCSD 880-115530/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115530

Eurofins Midland

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Client Sample ID: B-64-7'

Lab Sample ID: 880-60974-1

Date Collected: 07/28/25 09:00

Matrix: Solid

Date Received: 07/31/25 12:06

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	115496	07/31/25 13:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115461	07/31/25 15:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115571	07/31/25 15:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			115720	08/02/25 16:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115466	07/31/25 08:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115627	08/02/25 16:49	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115530	07/31/25 14:23	SI	EET MID
Soluble	Analysis	300.0		1			115543	08/01/25 03:43	CS	EET MID

Client Sample ID: B-65-16'

Lab Sample ID: 880-60974-2

Date Collected: 07/28/25 14:30

Matrix: Solid

Date Received: 07/31/25 12:06

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	115496	07/31/25 13:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115461	07/31/25 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115571	07/31/25 15:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			115720	08/05/25 08:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 08:30	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	115530	07/31/25 14:23	SI	EET MID
Soluble	Analysis	300.0		1			115543	08/01/25 04:06	CS	EET MID

Client Sample ID: B-82-7'

Lab Sample ID: 880-60974-3

Date Collected: 07/28/25 13:00

Matrix: Solid

Date Received: 07/31/25 12:06

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	115496	07/31/25 13:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115461	07/31/25 15:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115571	07/31/25 15:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			115720	08/05/25 08:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 08:47	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115530	07/31/25 14:23	SI	EET MID
Soluble	Analysis	300.0		1			115543	08/01/25 04:13	CS	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
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: WLU 86

Job ID: 880-60974-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: WLU 86

Job ID: 880-60974-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-60974-1	B-64-7'	Solid	07/28/25 09:00	07/31/25 12:06
880-60974-2	B-65-16'	Solid	07/28/25 14:30	07/31/25 12:06
880-60974-3	B-82-7'	Solid	07/28/25 13:00	07/31/25 12:06

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Environment Testing

880-60974 Chain of Custody

Login Sample Receipt Checklist

Client: Arcadis US Inc.

Job Number: 880-60974-1

Login Number: 60974

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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

Appendix C

Re-seeding Report

WLU #086

- API: 30-025-31451
- 32.864130, -103.385100
- 47,296 Square feet re-seeded on September 10, 2025



Lot/Sales # SO-86478

Kind & Variety	Pure Seed	Germ	Dormant	Hard Seed	Origin
Bluestem, Little "Cimarron" (<i>Schizachyrium scoparium</i>)	7.76%	58.00%	36.00%	0.00%	TX
Dropseed, Sand (<i>Sporobolus cryptandrus</i>)	9.82%	93.00%	6.00%	0.00%	TX
Grama, Blue "Lovington" (<i>Bouteloua Gracilis</i>)	10.13%	85.00%	11.00%	0.00%	TX
Grama, Sideoats "El Reno" (<i>Bouteloua curtipendula</i>)	22.09%	85.00%	3.00%	0.00%	TX
Indian Blanket (<i>Gaillardia pulchella</i>)	5.52%	88.00%	0.00%	0.00%	OK
Sacaton Alkali (<i>Sporobolus airoides</i>)	5.06%	91.00%	5.00%	0.00%	OK
Saltbush Fourwing (<i>Atriplex canescens</i>)	9.85%	74.00%	0.00%	0.00%	NM
Purity: 70.23%	Inert Matter: 29.74%	Other Crop Seed: 0.02%	Weed Seed: 0.02%		











Appendix D

Photo Log

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Lovington Deep State		Location: Lea County, NM	Incident No. nPAC0728432741
Photo No. 1	Date: 7/14/2025		
Coordinates: 32.863929, -103.385152			
Description: Excavation completed eastern section.			

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Lovington Deep State		Location: Lea County, NM	Incident No. nPAC0728432741
Photo No. 2	Date: 8/12/2025		
Coordinates: 32.863838, -103.385327			
Description: Excavation completed western section.			

WLU 86
Aug 12, 2025 10:18:07 AM
Unnamed Road Lovington Lea County New Mexico
📍 32°86'N 103°39'W

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Lovington Deep State		Location: Lea County, NM	Incident No. nPAC0728432741
Photo No. 3	Date: 9/02/2025		
Coordinates: 32.864004, -103.385359			
Description: Excavation backfill complete.			

ARCADIS		PHOTOGRAPHIC LOG	
Property Name: Lovington Deep State		Location: Lea County, NM	Incident No. nPAC0728432741
Photo No. 4	Date: 9/02/2025		
Coordinates: 32.863872, -103.385291			
Description: Excavation backfilled and restored.			



PHOTOGRAPHIC LOG

Property Name: Lovington Deep State	Location: Lea County, NM	Incident No. nPAC0728432741
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Photo No. 5	Date: 9/02/2025
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Coordinates: 32.864276, -103.384793

Description: Excavation backfilled and restored.
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Arcadis U.S., Inc.
1330 Post Oak Blvd., Suite 2250
Houston
Texas 77056
Phone: 713 953 4800
www.arcadis.com

Arcadis. Improving quality of life.

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 515371

QUESTIONS

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nPAC0728432741
Incident Name	NPAC0728432741 LOVINGTON DEEP STATE @ 30-025-31451
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-31451] WEST LOVINGTON UNIT #086

Location of Release Source

Please answer all the questions in this group.

Site Name	LOVINGTON DEEP STATE
Date Release Discovered	10/02/2007
Surface Owner	State

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	Cause: Pipeline (Any) Crude Oil Released: 2 BBL Recovered: 1 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Pipeline (Any) Produced Water Released: 20 BBL Recovered: 13 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 515371

QUESTIONS (continued)

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Chris Brand Title: Lead Environmental Specialist Email: Chrisbrand@chevron.com Date: 10/15/2025
--	--

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QUESTIONS, Page 3

Action 515371

QUESTIONS (continued)

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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	Greater than 5 (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 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1 and 100 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 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	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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
<i>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.</i>	
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)	8530
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1360
GRO+DRO (EPA SW-846 Method 8015M)	1150
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/18/2025
On what date will (or did) the final sampling or liner inspection occur	08/11/2025
On what date will (or was) the remediation complete(d)	08/11/2025
What is the estimated surface area (in square feet) that will be reclaimed	16730
What is the estimated volume (in cubic yards) that will be reclaimed	6335
What is the estimated surface area (in square feet) that will be remediated	16730
What is the estimated volume (in cubic yards) that will be remediated	6335

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 515371

QUESTIONS (continued)

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	FEEM0112338393 GANDY MARLEY LANDFARM/LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	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
<i>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>	
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: Chris Brand Title: Lead Environmental Specialist Email: Chrisbrand@chevron.com Date: 10/15/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 515371

QUESTIONS (continued)

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	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, Page 6

Action 515371

QUESTIONS (continued)

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	494217
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/13/2025
What was the (estimated) number of samples that were to be gathered	100
What was the sampling surface area in square feet	15500

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	16730
What was the total volume (cubic yards) remediated	6335
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	16730
What was the total volume (in cubic yards) reclaimed	6335
Summarize any additional remediation activities not included by answers (above)	see attached report
<i>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>	
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: Chris Brand Title: Lead Environmental Specialist Email: Chrisbrand@chevron.com Date: 10/15/2025

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QUESTIONS, Page 7

Action 515371

QUESTIONS (continued)

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	16730
What was the total volume of replacement material (in cubic yards) for this site	6335
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	09/10/2025
Summarize any additional reclamation activities not included by answers (above)	see attached report
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Chris Brand Title: Lead Environmental Specialist Email: Chrisbrand@chevron.com Date: 10/15/2025

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QUESTIONS, Page 8

Action 515371

QUESTIONS (continued)

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>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.</i>	

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CONDITIONS

Action 515371

CONDITIONS

Operator: CHEVRON MIDCONTINENT, L.P. 6301 Deauville Blvd Midland, TX 79706	OGRID: 241333
	Action Number: 515371
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation closure and reclamation report approved. Release resolved. Pending re-vegetation report.	12/16/2025