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February 2, 2023

New Mexico Oil Conservation Division, District II
811 S. First Ct
Artesia, NM 88210

Re: Hambone Fed 8 CTB
2022 Remediation Summary and Soil Closure Request Report
Incident # NAPP2133541017
Eddy County, New Mexico

Dear whom it concerns,

Please find enclosed for your filed, copies of the following:

- Hambone Fed 8 CTB – February 2, 2023 Remediation Summary and Soil Closure Request Report

The Report was prepared by Arcadis U.S., Inc. (Arcadis) on behalf of ConocoPhillips (COP).

Please do not hesitate to call Scott Foord with Arcadis at 713.953.4853 or myself at 432.685.2573, should you have any questions.

Sincerely,

Ike Tavarez

Encl. Hambone Fed 8 CTB, NAPP2133541017 2022 Remediation Summary and Soil Closure Request Report

ARCADIS

COG (ConocoPhillips)

2022 Remediation Summary and Deferral Request Report

Hambone Fed 8 CTB

Incident # NAPP2133541017

February 2023

2022 Remediation Summary and Deferral Request Report

Hambone Fed 8 CTB
Incident # NAPP2133541017

February 2023

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1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this Remediation Summary and Deferral Request Report (Report), on behalf of Concho Operating, LLC (COG – now ConocoPhillips), for the release site known as the Hambone Fed 8 CTB (Site). Details of the release are summarized in the Initial C-141 Form included as **Appendix A**.

2 Project Summary

The Site is located approximately 12.65 miles southeast of Malaga in Unit N, Section 08, Township 26 South, Range 29 East, Eddy County, New Mexico. A Site Location Map is included as **Figure 1**.

2.1 Incident # NAPP2133541017

According to the Initial C-141 Form, on November 18, 2021, a valve left in the incorrect position was discovered at the Site. The leak resulted in the release of approximately 45.193 barrels (bbls) of produced water to ground surface on the pad at the Site. A vacuum truck recovered approximately 40 barrels (bbls) of produced water. The impacted areas measured approximately 220 feet by 115 feet and 200 feet by 120 feet. The Initial C-141 Form was submitted to the New Mexico Oil Conservation Division (NMOCD) on November 19, 2021 and assigned Incident ID number NAPP2133541017. The Initial C-141 Form is included as **Appendix A** and the final C-141 is included in **Appendix B.**

3 Site Characterization

Soil assessment activities were performed at the Site during December 2021 by New Tech Global Environmental, LLC (NTGE) to determine the horizontal and lateral extent of the release area. The assessment activities associated analytical soil sample results and the initial proposed remediation/reclamation activities for the impacted areas are detailed in the 2021 Work Plan submitted previously by New Tech Global Environmental, LLC (NTGE) to the NMOCD (see **Appendix C**).

Arcadis began excavation activities at the Site in August 2022. Chloride concentrations in soil were determined during excavation activities to be above the applicable screening limit of 600 milligrams per kilogram (mg/Kg) for chloride at a depth of approximately 1 foot below ground surface (bgs) within the center of the pad, east/southeast, and south of the well heads. The elevated chlorides were found in the sidewalls (SW-15, SW-17 and SW-18) of two pipeline corridors with multiple active and inactive lines present. The location south of the wellhead.

4 Closure Criteria for Soils Impacted by a Release

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

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

5 Remediation Activities Summary

5.1 Soil Removal

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

Soil remediation activities were performed by Arcadis and Standard Safety and Supply (Standard) from August 4 through August 23, 2022. Photo-ionization detector (PID) readings, chloride field screening with Hach test strip results, and analytical results from the pre-remediation assessment activities were evaluated prior to and during remediation activities to determine the lateral and vertical extent of soil affected by the spill. Lateral and vertical delineation of the impacted soil requiring removal was based on samples collected from the perimeter and bottom of the release area. Based on these results, it was determined that the release covered an approximately 8,580 square foot area with intersecting utility easements determined to be a high-pressure gas line and electrical line owned by Plains Pipeline running north to south. Multiple ConocoPhillips water, electrical, and gas lines running east to west and north to south, extending to depths of approximately 3.5 to 5 feet bgs. Soil analytical results are discussed in **Sections 5.3, 5.4, and 5.5**.

Excavation activities were conducted to a maximum depth of approximately 3 feet bgs north of the release area. Approximately 1,760 cubic yards of impacted soil were excavated from the spill area. The limits of the excavation are presented on **Figure 2**. Excavated soil was stockpiled on-site, adjacent to the release area on 20 mil plastic sheeting and covered with 20 mil plastic sheeting during remediation activities.

The stockpiled soil was disposed offsite at the R360 Red Bluff Landfill facility located at 5053 US Hwy 285, in Orla, Texas as Class 2 non-hazardous material. Standard transported a total of 88 truckloads of soil directly to the landfill on August 18 through August 23, 2022. Copies of disposal manifests can be provided upon request. Photographic documentation of the excavation activities is attached in the **Photographic Log**.

5.2 Excavation Confirmation Sampling Activities

Arcadis personnel conducted excavation confirmation soil sampling activities on August 10, 2022, through August 23, 2022 for laboratory analyses. Following excavation of the impacted area, confirmation soil samples were collected from the side walls and base of the excavation as needed to maintain an approximate 200 square foot sample spacing or less for both side walls and base of the excavated area.

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

5.3 Chloride

Three soil samples collected from the sidewalls of the deferred area (south wellhead area and pipeline corridors east and southeast of the well heads) were reported above the NMAC reclamation limit of 600 mg/Kg at a depth of 1 feet bgs on the sidewalls (SW-15, 2020 mg/kg, SW-17, 745 mg/kg, and SW-18, 736 mg/kg). All other soil samples collected within the excavated areas were below the NMAC reclamation limit of 600 mg/Kg.

5.4 TPH

Total TPH concentrations were reported above the NMAC screening standard of 100 mg/Kg at 2 sample locations on pad that we are requesting deferral (SW-15, 281 mg/kg and SW-17, 1300 mg/kg) for total TPH.

5.5 BTEX

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

6 Restoration, Reclamation, and Re-Vegetation Plan

Upon receiving laboratory analytical results from the excavation confirmation soil samples confirming impacted soil over the applicable restoration limits had been removed, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near the original relative positions. The affected area was contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. The affected areas were all located on the production pad, therefore no re-vegetation activities will be warranted.

7 Summary

Analytical results associated with recent remediation activities conducted in 2022 indicate that the horizontal and vertical extent of chloride, TPH, and BTEX impact in soil above NMAC screening standards for a site with depth the groundwater less than 50 feet bgs due to being in a high karst area have been delineated both horizontally and vertically. The impacted material has been excavated to extent practicable and transported to an NMOCD-approved disposal facility.

8 Deferral Request

Remediation activities were conducted in accordance with the NMOCD stipulations and the approved variance. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria in each of the submitted soil samples for areas with impact less than 4 feet bgs, except for areas represented by samples SW-15, SW-17, and SW-18. Impacted soil remaining in-situ within these areas are adjacent to and underneath the south wellhead area and pipeline corridors east and southeast of the well heads.

Analytical results for soil samples collected at surrounding areas adjacent to the wellhead area and pipeline corridors indicate that TPH and chloride impact to soil is confined to surface and shallow soil only. The remaining in-situ impacted area is fully delineated and further excavation would pose a safety risk and require major facility deconstruction. Leaving the remaining impacted soil in-situ is not believed a risk to human health, the environment, or ground water.

As such, a deferral request for additional remediation of in-situ soil impacts within the wellhead and pipeline corridor areas of the facility is requested at this time, and these areas will be addressed (assessed and excavated) during site restoration activities that will be conducted following abandonment of this facility at a future date in accordance with Sections 19.15.29.12 and 19.15.29.13 NMAC.

Based upon the findings presented in this report, no additional soil assessment activities are recommended at this time to further delineate the TPH and chloride impacts in soil at the Site. As such, Arcadis, on behalf of ConocoPhillips, respectfully requests deferral of Incident number NAPP2133541017 until the facility is abandoned and site reclamation activities are conducted. The Final C-141 Form is presented in **Appendix B**.

Tables

Table 1
2022 Soil Sample Analytical Results
Hambone Fed 8 CTB
COG(ConocoPhillips)

ARCADIS

					BTEX							TPH				Gen Chem
Location ID	Depth (Feet)	Date Collected	Sample Name	Soil Status	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	m-Xylene & p-Xylene mg/kg	o-Xylene mg/kg	Xylenes, Total mg/kg	Total BTEX mg/kg	Gasoline Range Organics (GRO)-C6-C10 mg/kg	Diesel Range Organics (Over C10-C28) mg/kg	Oil Range Organics (Over C28-C36) mg/kg	Total TPH mg/kg	Chloride, Dissolved mg/kg
NMOCD					10	- -	- -	- -	- -	- -	50	- -	- -	- -	100	600
B-10	2	08/11/2022	B-10-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	365
B-11	2	08/11/2022	B-11-2'-081122	Removed	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<50.0	129	<50.0	~~129~~	~~486~~
B-11	3	08/17/2022	B-11-3'-081722	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	210
B-1	2	08/10/2022	B-1-2'-081022	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	115
B-12	2	08/11/2022	B-12-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	437
B-13	2	08/11/2022	B-13-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	260
B-14	2	08/11/2022	B-14-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	137
B-15	2	08/11/2022	B-15-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	48.7
B-16	2	08/11/2022	B-16-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	259
B-17	2	08/11/2022	B-17-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	367
B-18	2	08/11/2022	B-18-2'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	149
B-19	2	08/15/2022	B-19-2'-081522	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	61.6	61.6	36.0
B-20	2	08/15/2022	B-20-2'-081522	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	55.9	55.9	84.3
B-21	2	08/15/2022	B-21-2'-081522	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	330
B-2	2	08/10/2022	B-2-2'-081022	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	251
B-22	2	08/15/2022	B-22-2'-081522	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.9	<49.9	53.5	53.5	373
B-23	2	08/15/2022	B-23-2'-081522	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	390
B-24	2	08/15/2022	B-24-2'-081522	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	383
B-25	2	08/16/2022	B-25-2'-081622	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	22.2
B--26	2	08/16/2022	B--26-2'-081622	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	108
B-27	2	08/16/2022	B-27-2'-081622	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	26.6
B-28	2	08/16/2022	B-28-2'-081622	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	516
B-29	2	08/16/2022	B-29-2'-081622	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	408
B-30	2	08/16/2022	B-30-2'-081622	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	534
B-31	2	08/16/2022	B-31-2'-081622	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	326
B-3	2	08/11/2022	B-3-2'-081122	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	128
B-32	2	08/16/2022	B-32-2'-081622	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	561
B-33	2	08/16/2022	B-33-2'-081622	Removed	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<49.9	<49.9	<49.9	<49.9	~~719~~
B-33	3	08/23/2022	B-33-3'-082322	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.9	<49.9	107	**107**	158
B-34	2	08/17/2022	B-34-2'-081722	Removed	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	~~747 F1~~
B-34	3	08/23/2022	B-34-3'-082322	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	298
B-35	2	08/17/2022	B-35-2'-081722	Removed	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	~~610~~
B-35	3	08/23/2022	B-35-3'-082322	In-Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	334
B-36	2	08/17/2022	B-36-2'-081722	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	312
B--37	2	08/17/2022	B--37-2'-081722	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	148
B-38	2	08/17/2022	B-38-2'-081722	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	126
B-39	2	08/17/2022	B-39-2'-081722	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	110
B-40	2	08/17/2022	B-40-2'-081722	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	141
B-41	2	08/17/2022	B-41-2'-081722	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	125
B-4	2	08/11/2022	B-4-2'-081122	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	31.3
B-42	2	08/17/2022	B-42-2'-081722	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	119
B-42	2	08/18/2022	B-42-2'-081722	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	59.4
B-43	2	08/18/2022	B-43-2'-081722	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	38.7
B-5	2	08/11/2022	B-5-2'-081122	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	11.6
B-6	2	08/11/2022	B-6-2'-081122	In-Situ	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397	<50.0	<50.0	<50.0	<50.0	28.5
B-7	2	08/11/2022	B-7-2'081122	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	31.1
B-8	2	08/11/2022	B-8-2'-081122	In-Situ	<0.00198	0.00274	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	271
B-9	2	08/11/2022	B-9-2'-081122	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	21.8
SW-10	1	08/15/2022	SW-10-1'-081522	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	402
SW-1	1	08/10/2022	SW-1-1'-081022	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	154
SW-11	1	08/16/2022	SW-11-1'-081722	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	379
SW-12	1	08/17/2022	SW-12-1'-081722	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	369
SW-13	1	08/17/2022	SW-13-1'-081722	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	287
SW-14	1	08/17/2022	SW-14-1'-081722	Removed	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	~~606~~
SW-14	1	08/23/2022	SW-14-1'-082322	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	80.0
SW-15	1	08/17/2022	SW-15-1'-081722	Deferred Area	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	281	<50.0	**281**	**2020**
Sw-16	1	08/18/2022	Sw-16-1'-081722	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	75.6
SW-17	1	08/23/2022	SW-17-1'-082322	Deferred Area	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	1300	<50.0	**1300**	**745**
SW-18	1	08/23/2022	SW-18-1'-082322	Deferred Area	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	**736**
SW-19	1	08/23/2022	SW-19-1'-082322	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	423
SW-2	1	08/10/2022	SW-2-1'-081022	In-Situ	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397	<49.9	<49.9	<49.9	<49.9	373
SW-3	1	08/10/2022	SW-3-1'-081022	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	39.7
SW-4	1	08/11/2022	SW-4-1'-081122	In-Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	75.0
SW-5	1	08/18/2022	SW-5-1'-081722	Removed	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	~~751~~

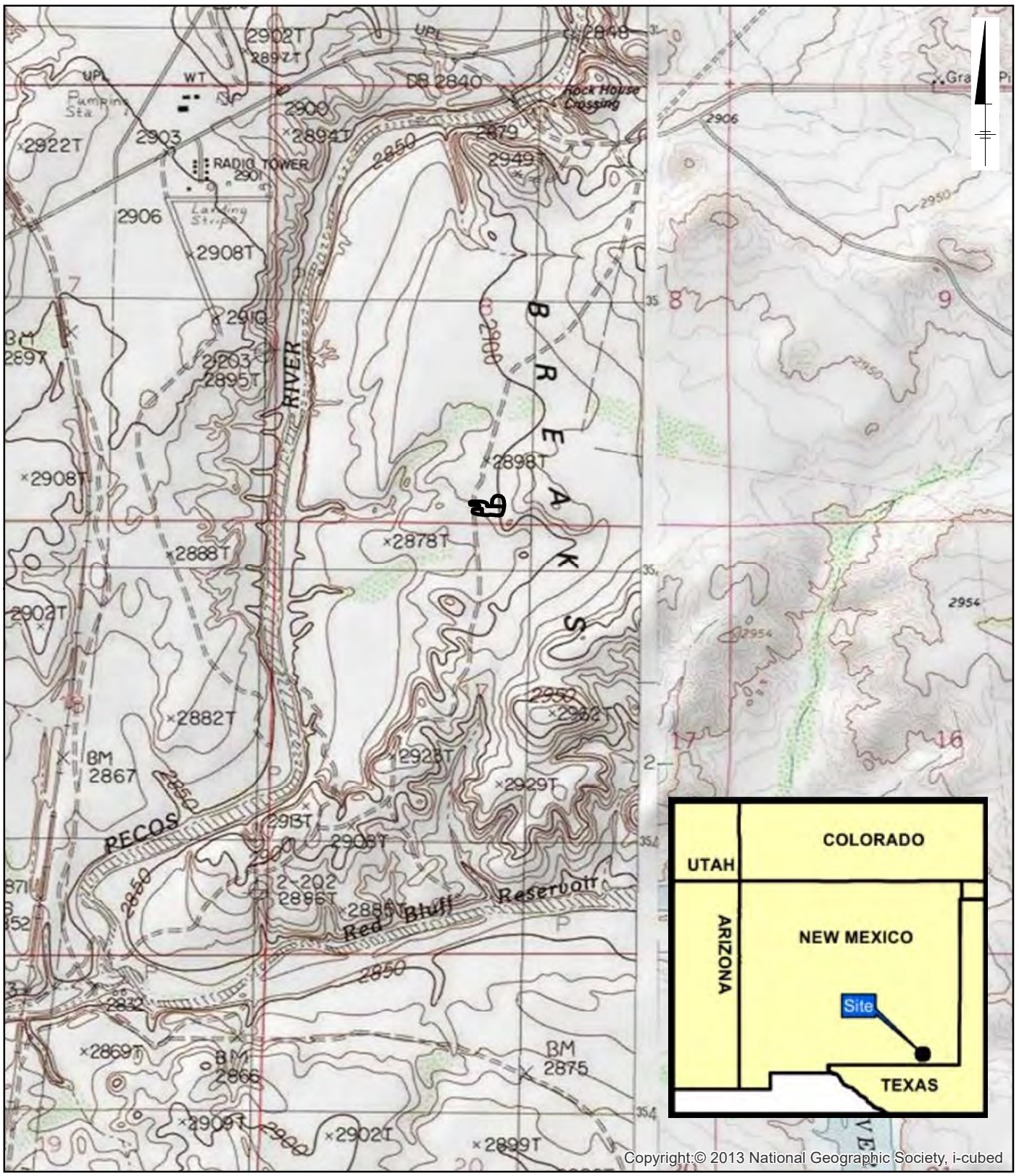
Table 1
2022 Soil Sample Analytical Results
Hambone Fed 8 CTB
COG(ConocoPhillips)

					BTEX							TPH				Gen Chem
Location ID	Depth (Feet)	Date Collected	Sample Name	Soil Status	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	m-Xylene & p-Xylene mg/kg	o-Xylene mg/kg	Xylenes, Total mg/kg	Total BTEX mg/kg	Gasoline Range Organics (GRO)-C6-C10 mg/kg	Diesel Range Organics (Over C10-C28) mg/kg	Oil Range Organics (Over C28-C36) mg/kg	Total TPH mg/kg	Chloride, Dissolved mg/kg
SW-5	1	08/23/2022	SW-5-1'-082322	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.9	<49.9	59.6	59.6	439
SW-6	1	08/11/2022	SW-6-1'-081122	Removed	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.9	465	<49.9	**~~465~~**	~~260~~
SW-6	2	08/17/2022	SW-6-2'-081722	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	54.7
SW-7	1	08/11/2022	SW-7-1'-081122	Removed	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	79.5	1340	<49.9	**~~1420~~**	~~272~~
SW-7	2	08/17/2022	SW-7-2'-081722	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	254
SW-8	1	08/15/2022	SW-8-1'-081522	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<50.0	<50.0	62.4	62.4	83.1
SW-9	1	08/15/2022	SW-9-1'-081522	Removed	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	~~<50.0~~ **614**	
SW-9	1	08/23/2022	SW-9-1'-082322	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	442

Legend:
Analytes exceeding NMAC Standards are indicated in **bold**
'<' indicates the analyte concentration was less than the Method Detection Limit (MDL)
mg/kg: Milligram per Kilogram
NMAC : New Mexico Administration Code
bgs: below ground surface
Notes:
1. Chloride analyzed by EPA Method 300
2. TPH analyzed by EPA Method 8015 M
3. BTEX analyzed by EPA Method 8260B
4. Closure Criteria New Mexico Administrative Code 19.15.29.12.E(2)
NMOCD: New Mexico Oil Conservation District
--: No individual standard

Figures

DRAFT



NOTES:

1. Datum: D_WGS_1984
2. Source: United States Geological Survey 7.5 Minute Quadrangle Map
3. Site Location: 32.050387, -104.006826

Legend

Site Boundary

0 2,000 4,000 Feet

GRAPHIC SCALE

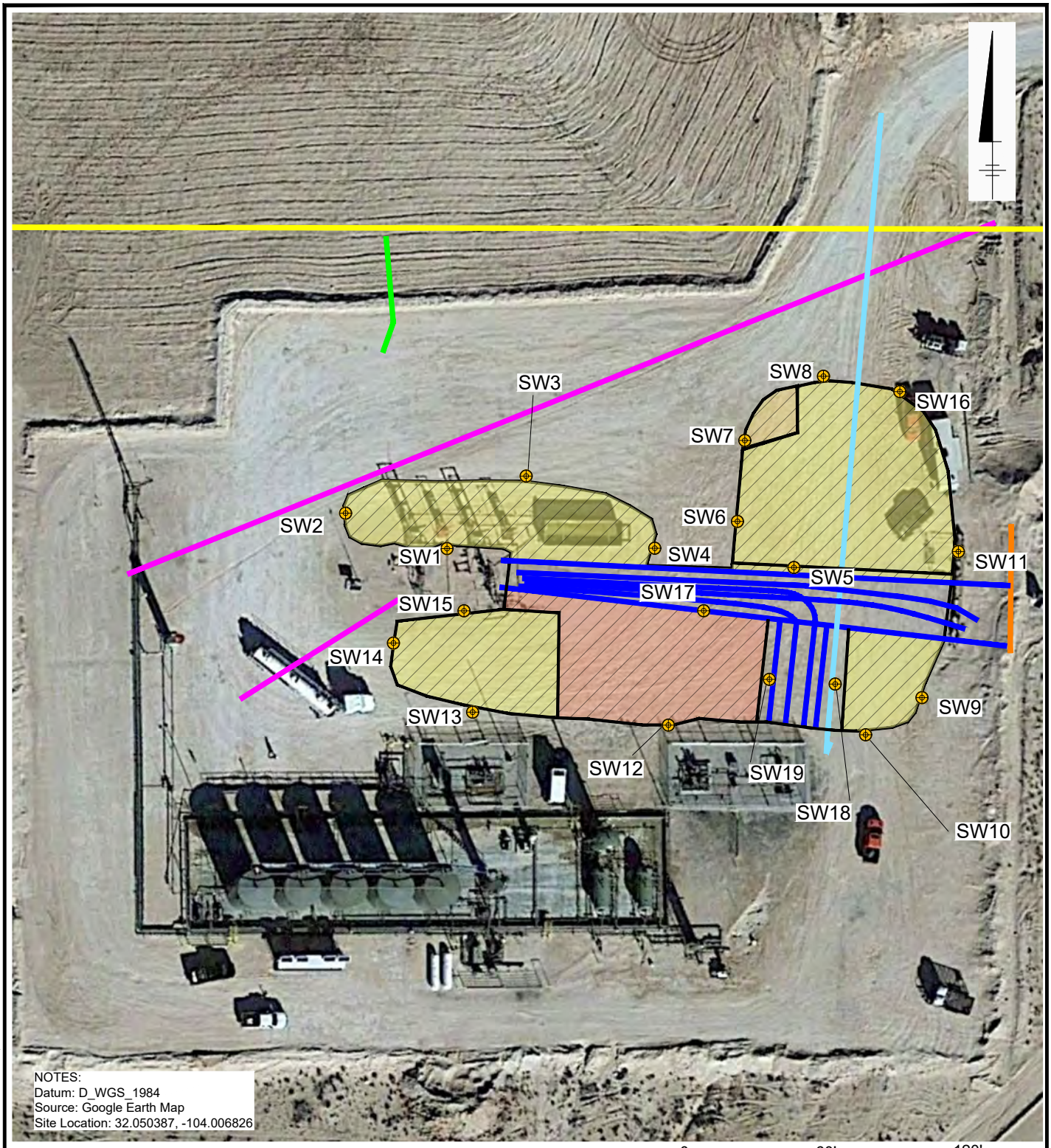
COG(CONOCOPHILLIPS)
HAMBONE FEDERAL 8 CTB
EDDY COUNTY, NEW MEXICO

SITE LOCATION MAP

ARCADIS

FIGURE 1

City: Div/Group: Created By: Last Saved By: WDBerndg
Project (Project #)
C:\BIMOneDrive - ARCADIS\GIS\HAMBONE\FIG1 HAMBONE SLM.mxd 9/8/2022 5:16:29 PM



LEGEND

- BURIED COG LINE
- PLAINS BURIED GAS LINE
- POWERLINE
- ELECTRICAL LINE
- EPC
- RISER
- SITE BOUNDARY
- SIDEWALL SAMPLE LOCATION
- 2 FT EXCAVATION
- 2.5 FT EXCAVATION
- 3 FT EXCAVATION

0 60' 120'

Approximate Scale: 1 in. = 60 ft.

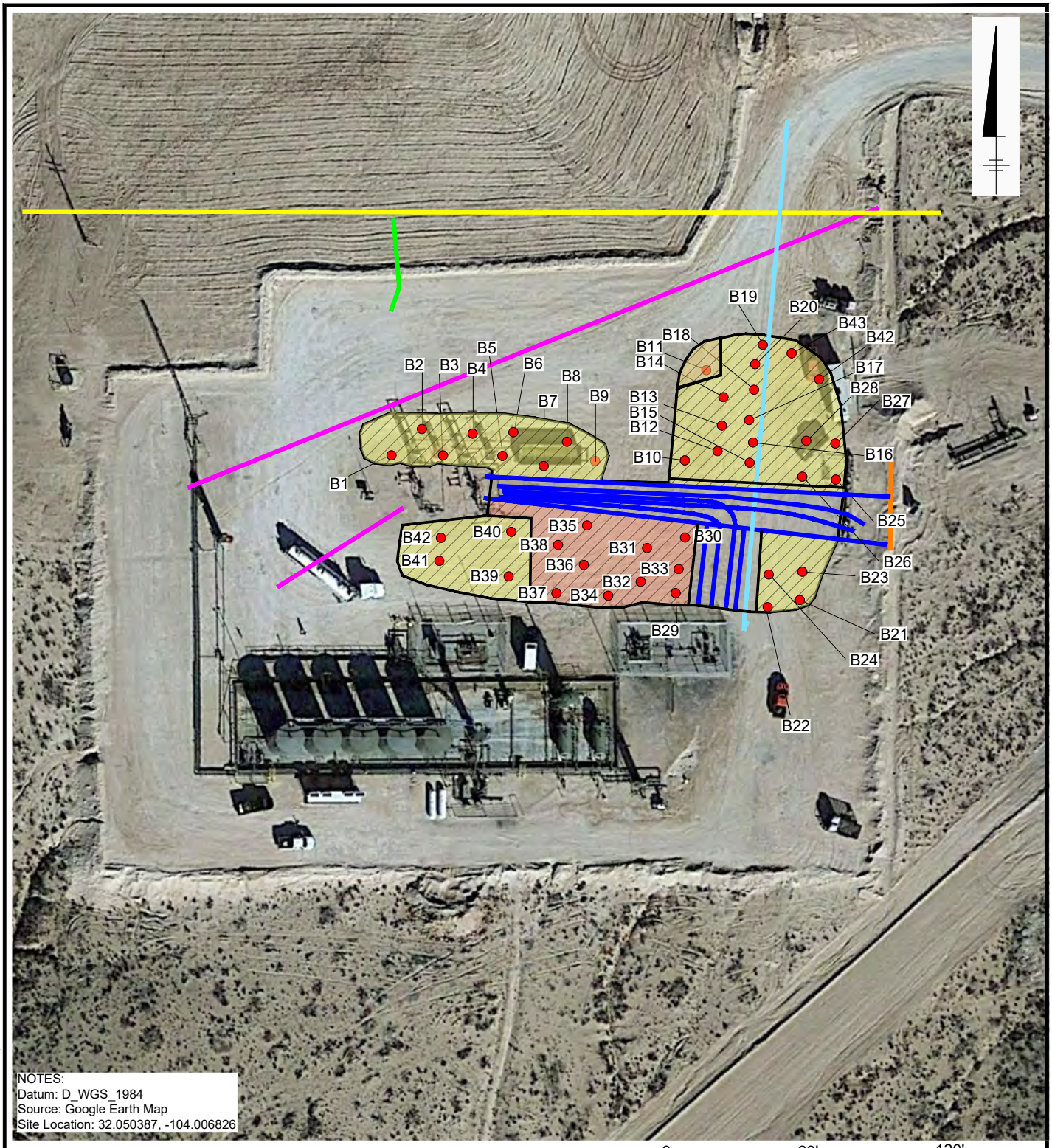
COG(CONOCOPHILLIPS)
HAMBONE FEDERAL 8 CTB
EDDY COUNTY, NEW MEXICO

EXCAVATION SIDEWALL SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 2

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\wdbernd\g.ARCADIS-US\ACCDocs\Arcadis\AUS-CONOCOPHILLIPS-HAMBONE FEDERAL 8-EDDY COUNTY New Mexico\Project Files\2022\01-In Progress\01-DWG\HAMBONE FEDERAL 8 SITE.dwg LAYOUT: FIG2 SAVED: 10/7/2022 10:14 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: ---
PLOTSTYLETABLE: COLOR.CTB PLOTTED: 10/10/2022 6:11 PM BY: BERNDGEN, WENDY
PROJECTNAME: ---
XREFS:



LEGEND

- BURIED COG LINE
- PLAINS BURIED GAS LINE
- POWERLINE
- ELECTRICAL LINE
- EPC
- RISER
- SITE BOUNDARY
- BASE SAMPLE LOCATION

- 2 FT EXCAVATION
- 2.5 FT EXCAVATION
- 3 FT EXCAVATION

COG(CONOCOPHILLIPS)
HAMBONE FEDERAL 8 CTB
EDDY COUNTY, NEW MEXICO

EXCAVATION BASE SOIL SAMPLE LOCATIONS

ARCADIS

FIGURE 3

Photographic Logs

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Hambone Fed 8 CTB	Loving County, NM	NAPP2133541017

Photo No.	Date:
1	08/23/2022

Direction Photo Taken:

West

Description:

North of wellhead.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Hambone Fed 8 CTB	Loving County, NM	NAPP2133541017

Photo No.	Date:
2	08/23/2022

Direction Photo Taken:

West

Description:

SE of wellhead.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Hambone Fed 8 CTB	Loving County, NM	NAPP2133541017

Photo No.	Date:
3	08/23/2022

Direction Photo Taken:

West

Description:

NE of wellhead.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Hambone Fed 8 CTB	Loving County, NM	NAPP2133541017

Photo No.	Date:
4	08/23/2022

Direction Photo Taken:

West

Description:

SE of wellhead.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Hambone Fed 8 CTB	Loving County, NM	NAPP2133541017

Photo No.	Date:
5	08/23/2022

Direction Photo Taken:

North

Description:

Backfilled location.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:	Location:	Case No.
Hambone Fed 8 CTB	Loving County, NM	NAPP2133541017

Photo No.	Date:
6	08/23/2022

Direction Photo Taken:

South

Description:

View of excavation area backfilled near wellhead.

ARCADIS

PHOTOGRAPHIC LOG

Property Name:/	Location:	Case No.
Hambone Fed 8 CTB	Loving County, NM	NAPP2133541017

Photo No.	Date:
7	08/23/2022

Direction Photo Taken:

Southeast

Description:

Backfilled excavation south of the release.

Appendix A

Initial C-141 Form Incident # NAPP2133541017

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NAPP2133541017
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 496-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # *(assigned by OCD)*	NAPP2133541017
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.0505 Longitude -104.0071

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Hambone Federal 8 CTB	Site Type	Tank Battery
Date Release Discovered	November 18, 2021	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
N	08	26S	29E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 45.193	Volume Recovered (bbls) 40
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a valve that was in the incorrect position.
The release was on the pad. A vacuum truck was dispatched to remove all freestanding fluids.
Concho will evaluate the site to determine impact from the release.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133541017
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The volume released was greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Immediate notice was given by Jacqui Harris via e-mail November 19, 2021 at 2:32 pm to blm_nm_cfo_spill@blm.gov and ocd.enviro@state.nm.us.

Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Brittany N. Esparza Title: Environmental Technician

Signature: Brittany Esparza Date: 11/30/2021

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

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Incident Name & Number:	Hambone Fed 8H
Asset Area:	DBWN
Release Discovery Date & Time:	11.18..21
Release Type:	Produced Water
Provide any known details about the event:	Valve left open

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	138.0	78.0	0.50	3	10764.000	0.014	26.611	0.001	26.629			
Rectangle B	111.0	39.0	0.50	2	4329.000	0.021	16.053	0.001	16.070			
Rectangle C	42.0	24.0	0.50	3	1008.000	0.014	2.492	0.001	2.494			
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
								Total Volume Release:	45.193			

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133541017
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	58.88 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133541017
District RP	
Facility ID	
Application ID	

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

Printed Name: Jacqui Harris Title: Environmental Engineer

Signature: Jacqui Harris Date: 2/17/2022

email: jacqui.harris@conocophillips.com Telephone: 575-745-1807

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133541017
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Jacqui Harris Title: Environmental Engineer

Signature: Jacqui Harris Date: 2/17/2022

email: jacqui.harris@conocophillips.com Telephone: 575-745-1807

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Appendix B

Final C-141 Form Incident # NAPP2133541017

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NAPP2133541017
District RP	N/A
Facility ID	N/A
Application ID	82272

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	58.88 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

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

Printed Name: ____Ike Tavarez Title: _____Project Manager RM&R_____

Signature:_ _____ Date: __09/30/2022_____

email: ___ike.tavarez@conocophillips.com_____ Telephone: ___432-701-8630_____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2133541017
District RP	N/A
Facility ID	N/A
Application ID	82272

Remediation Plan

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

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

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

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____Ike Tavarez_____ Title: Project Manager RM&R_____

Signature: _ _____ Date: ___9/30/22_____

email: ____ ike.tavarez@conocophillips.com __ Telephone: __432-701-8630_____

OCD Only

Received by: _____ Date: _____

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

Signature: Jennifer Nobui Date: 03/13/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

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

Signature: _____ Date: 3/2/2023

email: Ike.Tavarez@ConocoPhillips.com Telephone: (432) 701-8630

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Appendix C

Work Plan

Site Information

Work Plan
Hambone Federal 8 CTB (11.18.21)
Eddy County, New Mexico
Unit N Sec 08 T26S R29E
Incident #: NAPP2133541017
32.050387°, -104.006826°

Produced Water Release
Source: Incorrectly positioned valve
Release Date: 11/18/2021
Volume Released: 45.193 bbls/Produced Water
Volume Recovered: 40 bbls/Produced Water

Prepared for:
COG Operating, LLC
15 West London Rd
Loving, NM 88256

Prepared by:
NTG Environmental
701 Tradewinds Blvd
Suite C
Midland, TX 79706

TABLE OF CONTENTS

FIGURES

TABLES/PHOTOLOG

APPENDICES

701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
www.ntglobal.com

January 27, 2022

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

Re: Work Plan
Hambone Federal 8 CTB (11.18.21)
COG Operating, LLC
Site Location: Unit N, S08, T26S, R29E
Incident #: NAPP2133541017
(Lat 32.050387º, Long -104.006826°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities for the Hambone Federal 8 CTB (11.18.21) release. The site is located at 32.050387º, -104.006826º within Unit N, S08, T26S, R29E, and approximately 12.65 miles Southeast of Malaga, New Mexico, in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 18, 2021, caused by a corroded bull plug. It resulted in the release of approximately 45.193 barrels of produced water, and 40 barrels of produced water were recovered. The impacted area measured approximately 220' x 140', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a ½ mile radius of the location. The nearest identified well is located approximately 0.46 miles Northwest of the site in S13, T26S, R28E, and drilled in 2003. The well has a reported depth to groundwater of 58.88' feet below ground surface (ft bgs). A copy of the associated *National Water Information System* report is attached in Appendix B.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO +DRO)
- Chloride: 10,000 mg/kg

Assessment Activities

Initial Assessment

On December 8, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of five (5) soil sample points (S1 through S5) and six (6) horizontal sample points were installed to total depths ranging from surface to 2.5 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, the area of (S-1) had TPH concentrations of 21,970 mg/kg to 14,960 mg/kg at a depth from the surface to 1.0-1.5' below the surface. The area of (S-3) had chloride concentration values ranging from 43,600 mg/kg to 10,300 mg/kg and a high TPH concentration of 4,163 mg/kg at a depth 1.0-1.5' below the surface. The area of (S-4) had chloride concentration values ranging from 26,000 mg/kg to 2,480 mg/kg at a depth from the surface to 1.0-1.5' below the surface. The area of (S-5) had chloride concentration values ranging from 32,400 mg/kg to 4,960 mg/kg at a depth from the surface to 1.0-1.5' below the surface.

Trenches

On January 4, 2021, NTGE personnel were on site to vertically define the release. A total of four (4) trenches (T-1 through T-4) were installed to total depths ranging from surface to 4 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, the area of T-1 had chloride concentration values ranging from 11,200 mg/kg to 320 mg/kg and TPH concentrations ranging from 3,960 mg/kg to <49.9 mg/kg at a depth from the surface to 2' below the surface. The area of T-2 had chloride concentration values ranging from 10,300 mg/kg to 2,020 mg/kg and TPH concentrations ranging from 6,310 mg/kg to <50.0 mg/kg at a depth from the surface to 2' below the surface. The area of T-3 had chloride concentration values ranging from 12,700 mg/kg to 315 mg/kg at a depth from the surface to 2' below the surface. The area of T-4 had chloride concentration values ranging from 16,200 mg/kg to 106 mg/kg at a depth from the surface to 2' below the surface.

Proposed Work Plan

Based on the laboratory results and the detected TPH and chloride concentrations, COG proposes to excavate the areas as shown in Figure 4 and highlighted (yellow) in Table 1.

- The areas of S-1 (Trench-1), S-3 (Trench-3), and S-4 will be excavated to a depth of 2' below surface and backfilled with clean material to grade.
- The area of S-2 (Trench- 2) will be excavated to a depth of 3' below surface and backfilled with clean material to grade.
- The area of S-5 (Trench-4) will be excavated to a depth of 2.5' below surface and backfilled with clean material to grade.

- Composite sidewall and bottom hole samples will be collected every 400 square feet and analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B. Chloride by EPA method 300.0., to be representative of the release area for documentation purposes
- COG estimates approximately 2,085 cubic yards to be removed and hauled to the nearest disposal.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

Safety Concerns

The proposed excavation depths may not be reached due to wall cave-ins and safety concerns for onsite personnel. In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. COG will excavate the impacted soils to the maximum extent possible.

Conclusions

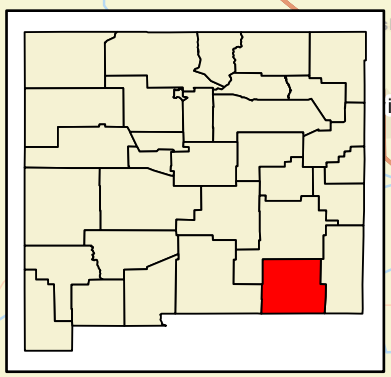
Upon completion, a final report detailing the remediation activities will be submitted to the NMOCD. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

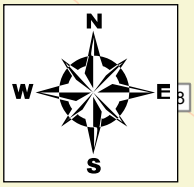
Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager

Ashton Thielke
Project Manager

Figures





Malaga

Pecos Hwy

Red Bluff

Hambone
Federal 8 CTB
(11.18.21)

Pecos Hwy

Red Bluff
Reservoir

Angeles
Red Bluff

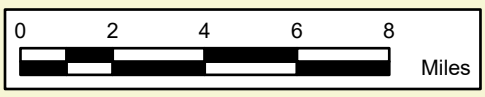
652

652

FM 652 E

FM 652 W

Orla



LEGEND

★ Site Location

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SITE LOCATION MAP
COG OPERATIING LLC
HAMBONE FEDERAL 8 CTB
EDDY COUNTY, NEW MEXICO
32.050387, -104.006826

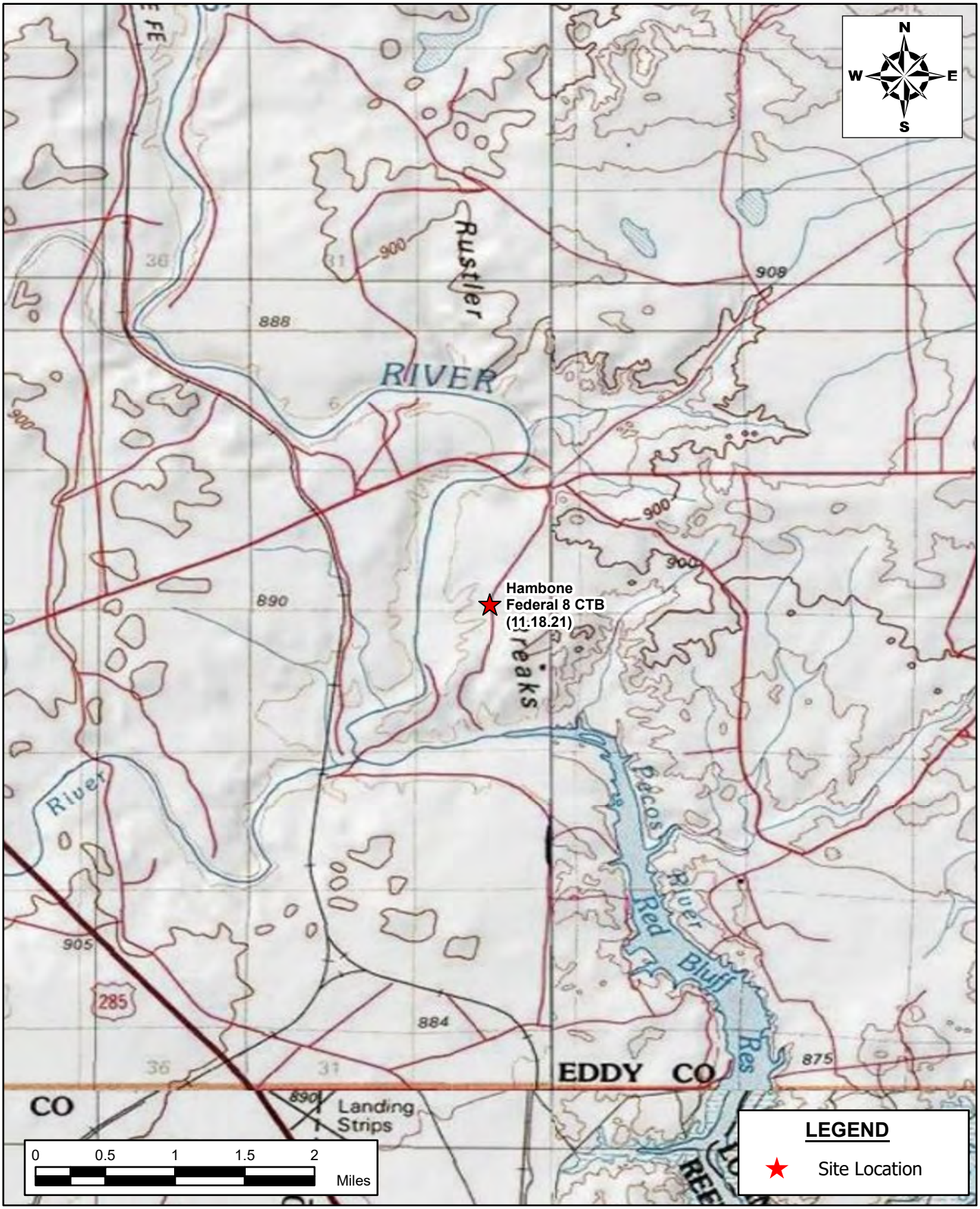
SCALE: As Shown | Date: 1/3/2022 | PROJECT #: 214971

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



AREA MAP
COG OPERATIING LLC
HAMBONE FEDERAL 8 CTB
EDDY COUNTY, NEW MEXICO
32.050387, -104.006826

SCALE: As Shown	Date: 1/3/2022	PROJECT #: 214971

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Houston, Texas 77060
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Web: www.ntglobal.com

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

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FIGURE 2
SHEET NUMBER:
1 of 1

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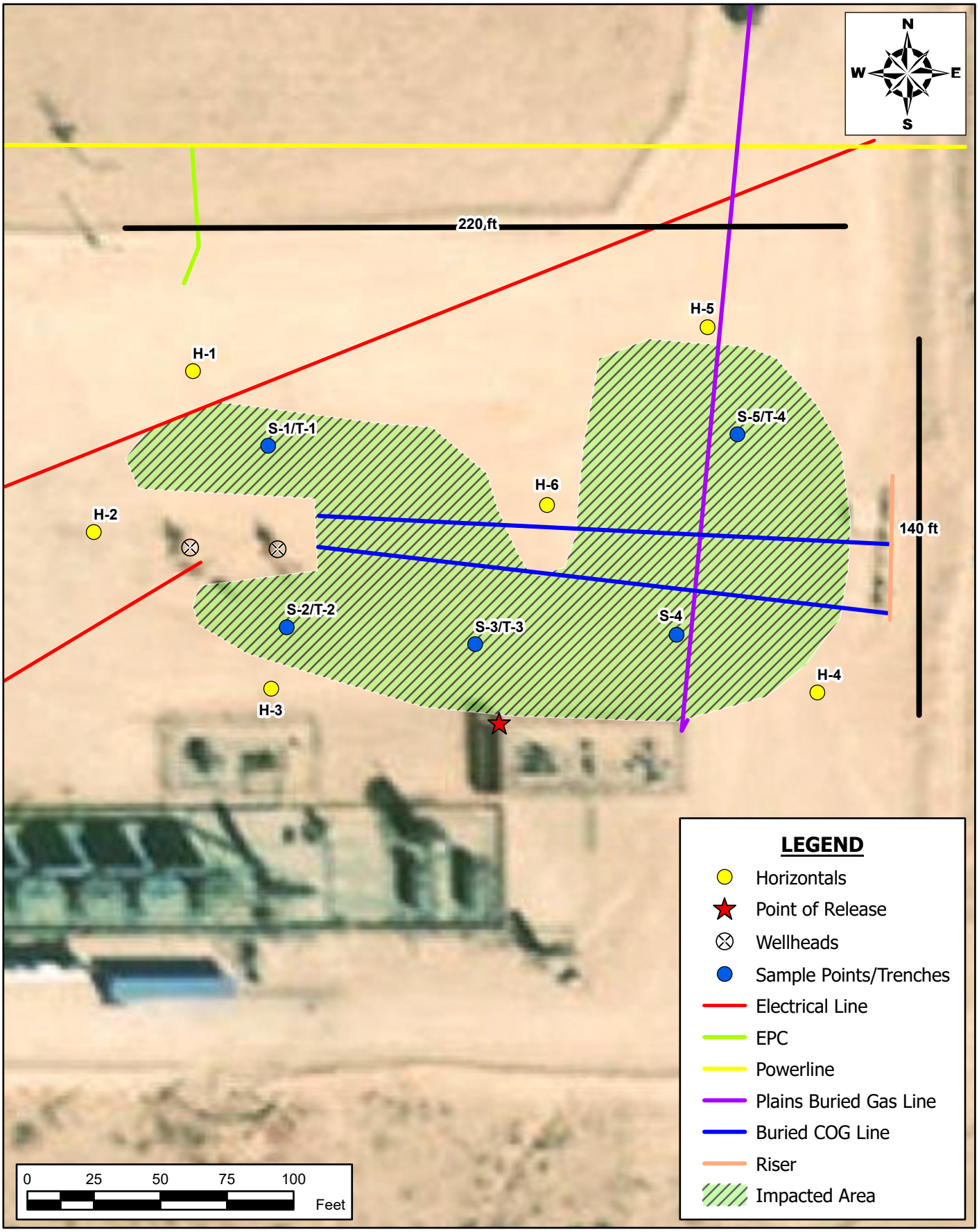

SAMPLE LOCATION MAP
COG OPERATIING LLC
HAMBONE FEDERAL 8 CTB
EDDY COUNTY, NEW MEXICO
32.050387, -104.006826

SCALE: As Shown | Date: 1/14/2022 | PROJECT #: 214971

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Web: www.ntglobal.com

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

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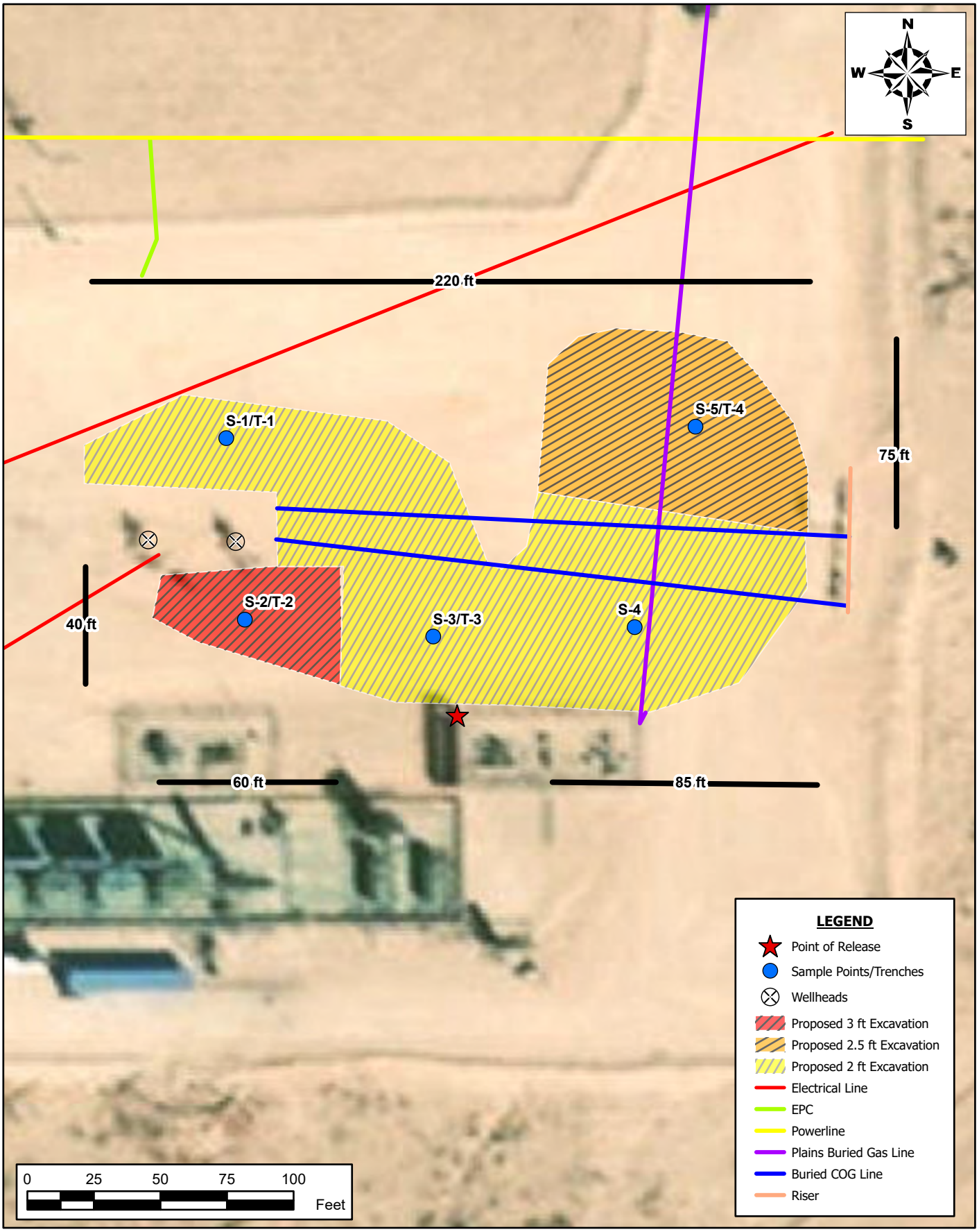

EXCAVATION DEPTH MAP
COG OPERATIING LLC
HAMBONE FEDERAL 8 CTB
EDDY COUNTY, NEW MEXICO
32.050387, -104.006826

SCALE: As Shown	Date: 1/14/2022	PROJECT #: 214971

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

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FIGURE 4
SHEET NUMBER:
1 of 1

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Tables

Table 1
Concho Operating, LLC
Hambone Fed 8 CTB (11.18.21)
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/8/2021	0-1'	<50.0	**17,750**	**4,220**	**21,970**	<0.50	<0.50	<0.50	<0.150	<0.300	1,380
	"	1-1.5'	<50.0	**12,400**	**2,560**	**14,960**	<0.50	<0.50	<0.50	<0.150	<0.300	1,040
T-1	1/4/2022	0-1'	<49.9	**3,960**	<49.9	**3,960**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**11,200**
	"	1'	<50.0	**4,560**	<50.0	**4,560**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**10,000**
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	320
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	333
S-2	12/8/2021	0-1'	<10.0	268	<10.0	268	<0.50	<0.50	<0.50	<0.150	<0.300	5,600
	"	1-1.5'	<10.0	11.4	<10.0	11.4	<0.50	<0.50	<0.50	<0.150	<0.300	1,480
T-2	1/4/2022	0-1'	<50.0	**6,310**	<50.0	**6,310**	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**8,010**
	"	1'	<50.0	**7,610**	<50.0	**7,610**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**10,400**
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,020
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	319
S-3	12/8/2021	0-1'	<10.0	105	<10.0	105	<0.50	<0.50	<0.50	<0.150	<0.300	**43,600**
	"	1-1.5'	<10.0	**3,970**	193	**4,163**	<0.50	<0.50	<0.50	<0.150	<0.300	**10,300**
T-3	1/4/2022	0-1'	<50.0	167	<50.0	167	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**12,700**
	"	1'	<50.0	292	<50.0	292	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,040
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	315
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	175
S-4	12/8/2021	0-1'	<10.0	30.2	<10.0	30.2	<0.50	<0.50	<0.50	<0.150	<0.300	**26,000**
	"	1-1.5'	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	2,480
	"	2-2.5'	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	176
S-5	12/8/2021	0-1'	<10.0	183	22.8	206	<0.50	<0.50	<0.50	<0.150	<0.300	**32,400**
	"	1-1.5'	<10.0	34.4	<10.0	34.4	<0.50	<0.50	<0.50	<0.150	<0.300	4,960
	"	2-2.5'	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	656
T-4	1/4/2022	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**16,200**
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**16,200**
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	106
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	88.7
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	44.3

Table 1
Concho Operating, LLC
Hambone Fed 8 CTB (11.18.21)
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	64.0
H-2	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	32.0
H-3	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	112
H-4	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	16.0
H-5	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	48.0
H-6	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	80.0
Regulatory Limits			**1,000 mg/kg**			**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**10,000 mg/kg**

Proposed Excavation Depths
(-) Not Analyzed
A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet

Photo Log

PHOTOGRAPHIC LOG

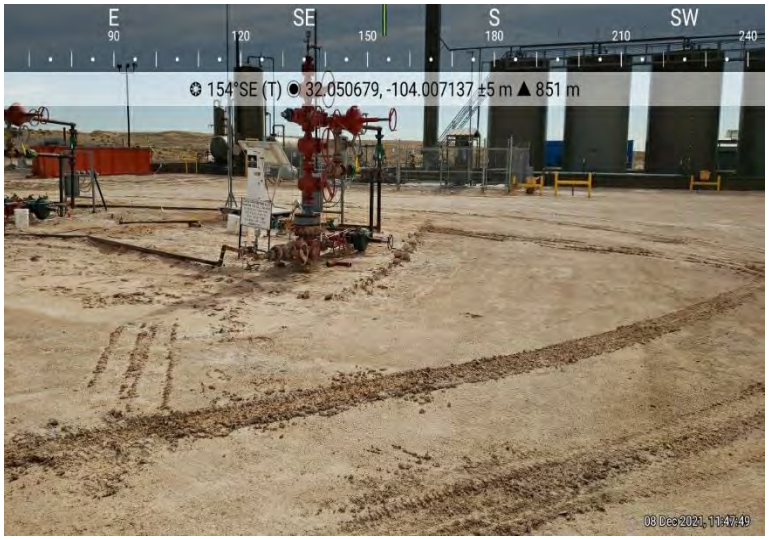
COG Operating, LLC

Photograph No. 1

Facility: Hambone Federal 8 CTB (11.18.21)

County: Eddy County, New Mexico

Description:
View Southeast, area of S-2/T-2.



Photograph No. 2

Facility: Hambone Federal 8 CTB (11.18.21)

County: Eddy County, New Mexico

Description:
View Southwest, area of S-3/T-3, S-4, and S-5/T-4.

Photograph No. 3

Facility: Hambone Federal 8 CTB (11.18.21)

County: Eddy County, New Mexico

Description:
View Northeast, area of S-3/T-3, S-4, and S-5/T-4.

Appendix A

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	Hambone Fed 8H
Asset Area:	DBWN
Release Discovery Date & Time:	11.18..21
Release Type:	Produced Water
Provide any known details about the event:	Valve left open

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	138.0	78.0	0.50	3	10764.000	0.014	26.611	0.001	26.629			
Rectangle B	111.0	39.0	0.50	2	4329.000	0.021	16.053	0.001	16.070			
Rectangle C	42.0	24.0	0.50	3	1008.000	0.014	2.492	0.001	2.494			
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
								Total Volume Release:	45.193			

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris _____ Date: 2/17/2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris _____ Date: 2/17/2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Appendix B

Nearest Water Well

COG Operating, LLC

Pecos River

75' - Drilled 2011

78' - Drilled 2011

Pecos River

120' - Drilled 1961

58.88' - Drilled 2003

92.12' - Drilled 2003

Hambone Federal 8 CTB (11.18.21)

Legend

- 0.46 Miles
- 0.50 Mile Radius
- 0.93 Miles
- 1.22 Miles
- 1.25 Miles
- 2.29 Miles
- Hambone Federal 8 CTB (11.18.21)
- NMSEO Water Well
- USGS Water Well

Google Earth

1 mi

N

Medium Karst

COG Operating, LLC

Pecos River

Hambone Federal 8 CTB (11.18.21)

Legend

- Hambone Federal 8 CTB (11.18.21)
- HIGH
- MEDIUM

N

3000 ft

Google Earth

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03507 POD1	C	ED	1	3	3	05	26S	29E	593064	3548313	1967	140	78	62
C 03508 POD1	C	ED	1	3	3	05	26S	29E	593063	3548361	2012	140	75	65
C 02894	C	ED	2	2	3	12	26S	28E	590458	3547061*	3331	240		
C 04473 POD1	CUB	ED	3	4	3	33	25S	29E	595018	3549768	3544	110		
C 02160 S8	CUB	ED	2	3	3	12	26S	28E	590056	3546653*	3684	200	120	80
C 01668	CUB	ED		3	3	12	26S	28E	589957	3546554*	3779	250	100	150

Average Depth to Water: **93 feet**

Minimum Depth: **75 feet**

Maximum Depth: **120 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 593735.34 **Northing (Y):** 3546464.29 **Radius:** 4000

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02160 S8	2	3	3	12	26S	28E	590056	3546653*

Driller License: **Driller Company:**

Driller Name: HEMLER

Drill Start Date:		**Drill Finish Date:**	03/01/1961	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	200 feet	**Depth Water:**	120 feet

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 03507 POD1	1	3	3	05	26S	29E	593064	3548313

Driller License: 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

Driller Name: KEY, CLINTON

Drill Start Date: 08/26/2011 **Drill Finish Date:** 08/26/2011 **Plug Date:**

Log File Date: 09/12/2011 **PCW Rcv Date:** **Source:** Shallow

Pump Type: SUBMER **Pipe Discharge Size:** **Estimated Yield:** 35 GPM

Casing Size: 6.00 **Depth Well:** 140 feet **Depth Water:** 78 feet

Water Bearing Stratifications:	Top	Bottom	Description
	78	79	Shale/Mudstone/Siltstone
	105	106	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	75	112

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 03508 POD1	1	3	3	05	26S	29E	593063	3548361

Driller License: 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

Driller Name: KEY, CLINTON

Drill Start Date: 08/24/2011 **Drill Finish Date:** 08/24/2011 **Plug Date:**

Log File Date: 09/12/2011 **PCW Rcv Date:** **Source:** Shallow

Pump Type: SUBMER **Pipe Discharge Size:** **Estimated Yield:** 40 GPM

Casing Size: 6.00 **Depth Well:** 140 feet **Depth Water:** 75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	75	76	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	65	105

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320303104012301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320303104012301 26S.28E.14.21412

Eddy County, New Mexico
Latitude 32°03'03.0", Longitude 104°01'23.0" NAD27
Land-surface elevation 2,972.40 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1978-01-13		D	62610		2855.65	NGVD29	1	Z		
1978-01-13		D	62611		2857.19	NAVD88	1	Z		
1978-01-13		D	72019	116.75			1	Z		
1983-01-25		D	62610		2858.75	NGVD29	1	Z		
1983-01-25		D	62611		2860.29	NAVD88	1	Z		
1983-01-25		D	72019	113.65			1	Z		
1987-10-14		D	62610		2873.68	NGVD29	1	Z		
1987-10-14		D	62611		2875.22	NAVD88	1	Z		
1987-10-14		D	72019	98.72			1	Z		
1993-05-04		D	62610		2880.80	NGVD29	1	S		
1993-05-04		D	62611		2882.34	NAVD88	1	S		
1993-05-04		D	72019	91.60			1	S		
1998-01-22		D	62610		2882.55	NGVD29	1	S		
1998-01-22		D	62611		2884.09	NAVD88	1	S		
1998-01-22		D	72019	89.85			1	S		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
2003-01-27		D	62610		2880.28	NGVD29	1	S	USGS	
2003-01-27		D	62611		2881.82	NAVD88	1	S	USGS	
2003-01-27		D	72019	92.12			1	S	USGS	

Explanation

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

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320307104005301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320307104005301 26S.28E.13.11214

Eddy County, New Mexico
Latitude 32°03'07", Longitude 104°00'53" NAD27
Land-surface elevation 2,858 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1948-12-15		D	62610		2796.46	NGVD29	1	Z		
1948-12-15		D	62611		2798.00	NAVD88	1	Z		
1948-12-15		D	72019	60.00			1	Z		
1975-12-09		D	62610		2796.97	NGVD29	1	Z		
1975-12-09		D	62611		2798.51	NAVD88	1	Z		
1975-12-09		D	72019	59.49			1	Z		
1976-01-20		D	62610		2797.89	NGVD29	1	Z		
1976-01-20		D	62611		2799.43	NAVD88	1	Z		
1976-01-20		D	72019	58.57			1	Z		
1977-01-13		D	62610		2802.13	NGVD29	1	Z		
1977-01-13		D	62611		2803.67	NAVD88	1	Z		
1977-01-13		D	72019	54.33			1	Z		
1978-02-23		D	62610		2799.71	NGVD29	1	Z		
1978-02-23		D	62611		2801.25	NAVD88	1	Z		
1978-02-23		D	72019	56.75			1	Z		

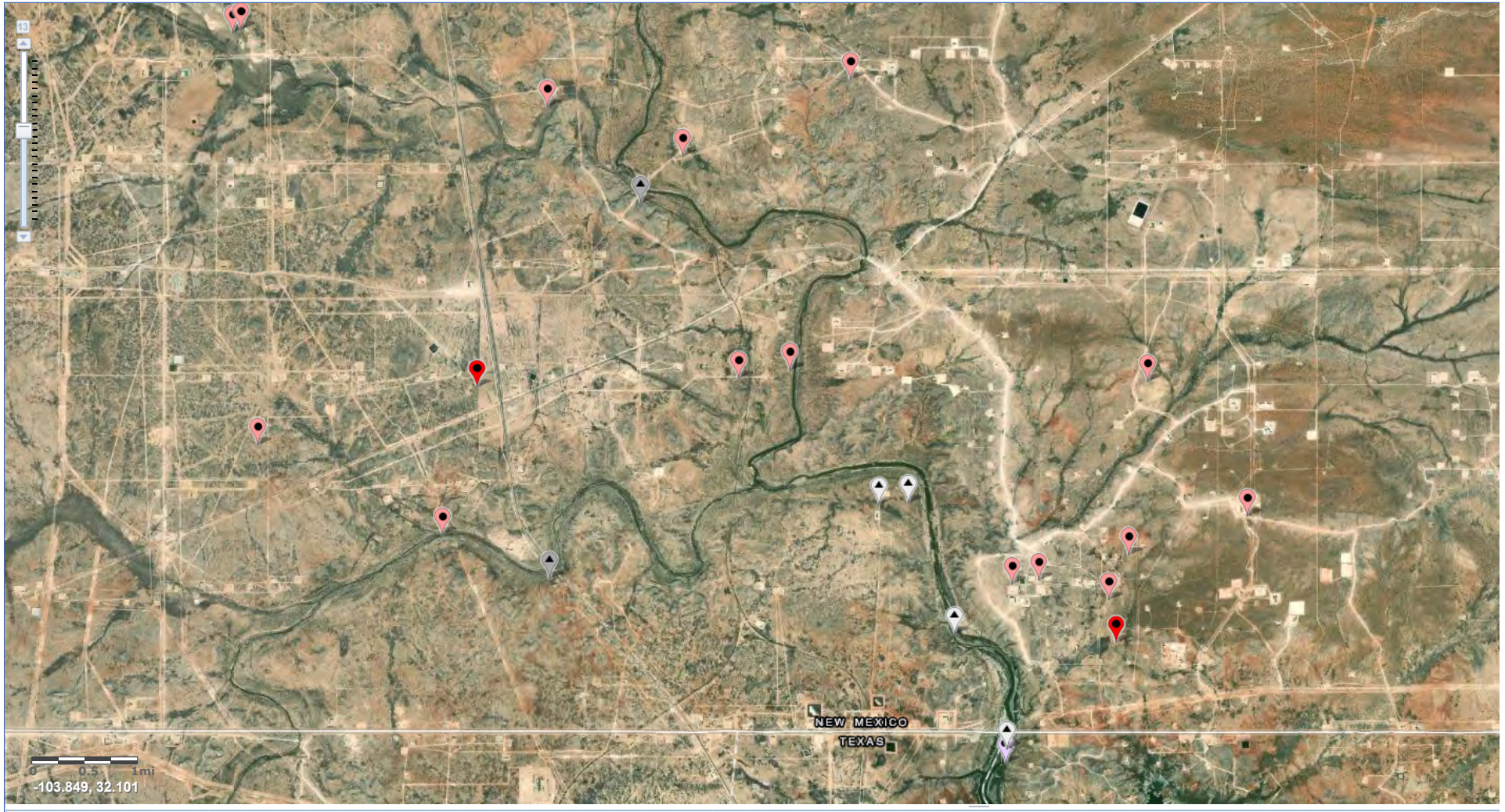
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-01-26		D	62610		2803.36	NGVD29	1	Z		
1983-01-26		D	62611		2804.90	NAVD88	1	Z		
1983-01-26		D	72019	53.10			1	Z		
1987-10-14		D	62610		2801.32	NGVD29	1	Z		
1987-10-14		D	62611		2802.86	NAVD88	1	Z		
1987-10-14		D	72019	55.14			1	Z		
1988-03-22		D	62610		2798.73	NGVD29	1	Z		
1988-03-22		D	62611		2800.27	NAVD88	1	Z		
1988-03-22		D	72019	57.73			1	Z		
1993-01-05		D	62610		2796.63	NGVD29	1	S		
1993-01-05		D	62611		2798.17	NAVD88	1	S		
1993-01-05		D	72019	59.83			1	S		
1998-01-22		D	62610		2803.01	NGVD29	1	S		
1998-01-22		D	62611		2804.55	NAVD88	1	S		
1998-01-22		D	72019	53.45			1	S		
2003-01-27		D	62610		2797.58	NGVD29	1	S	USGS	
2003-01-27		D	62611		2799.12	NAVD88	1	S	USGS	
2003-01-27		D	72019	58.88			1	S	USGS	

Explanation

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

USGS science for a changing world

National Water Information System: Mapper



Site Information

New Mexico NFHL Data

December 7, 2021

1:9,028

0 0.075 0.15 0.3 mi

0 0.1 0.2 0.4 km

FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

nmflood.org is made possible through a collaboration with NMDHSEM, EDAC, and FEMA
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

Appendix C

Appendix D

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-18525-1
Laboratory Sample Delivery Group: Malaga NM
Client Project/Site: Hambone Fed 8 CTB 30133377
Revision: 1

For:
ARCADIS U.S., Inc.
1004 North Big Spring
Suite 300
Midland, Texas 79701

Attn: Justin Nixon

Authorized for release by:
9/7/2022 8:21:06 PM

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

Table of Contents

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Job ID: 880-18525-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2741-1

Receipt
The samples were received on 8/11/2022 12:37 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 9.0°C

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: B-1-2'-081022 (890-2741-1), SW-1-1'-081022 (890-2741-2), SW-2-1'-081022 (890-2741-3), SW-3-1'-081022 (890-2741-4), B-2-2'-081022 (890-2741-5), SW-4-1'-081122 (890-2741-6), B-3-2'-081122 (890-2741-7), B-4-2'-081122 (890-2741-8), B-5-2'-081122 (890-2741-9), B-6-2'-081122 (890-2741-10), B-7-2'081122 (890-2741-11), B-8-2'-081122 (890-2741-12), B-9-2'-081122 (890-2741-13), B-10-2'-081122 (890-2741-14), B-11-2'-081122 (890-2741-15), SW-6-1'-081122 (890-2741-16) and SW-7-1'-081122 (890-2741-17). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE_ONE> proceed with/cancel analysis.

Client wants samples run

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-31966/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-31966 and analytical batch 880-32042 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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

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

Narrative

Job Narrative
890-2753-1

Receipt
The samples were received on 8/15/2022 12:40 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 23.6°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-32705 and analytical batch 880-33040 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-32705 and analytical batch 880-33040 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Job ID: 880-18525-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

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

Narrative

Job Narrative
890-2764-1

REVISION

The report being provided is a revision of the original report sent on 8/31/2022. The report (revision 1) is being revised due to Revised report to correct transcription error in project name..

Report revision history

Receipt
The samples were received on 8/17/2022 12:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 12.0°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-33031/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-33066 and analytical batch 880-33149 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-33066/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (890-2764-A-4-E MS) and (890-2764-A-4-F MSD). 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: (LCS 880-33066/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-33191/2-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.

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-32732 and analytical batch 880-32719 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-32774/2-A) and (LCSD 880-32774/3-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Job ID: 880-18525-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

Narrative

Job Narrative
890-2764-2

Receipt
The samples were received on 8/17/2022 12:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 12.0°C

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-32414 and analytical batch 880-32509 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Narrative

Job Narrative
890-2779-1

Receipt
The samples were received on 8/18/2022 1:15 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 15.4°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: B-11-3 081722 (890-2779-1) and SW-6-2 081722 (890-2779-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-5-1 081722 (890-2779-4), B-42-2 081722 (890-2779-5) and B-43-2 081722 (890-2779-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-32608 and analytical batch 880-32586 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.

Narrative

Job Narrative
890-2779-2

Receipt
The samples were received on 8/18/2022 1:15 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 15.4°C

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

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Job ID: 880-18525-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-18047-1

Receipt
The samples were received on 8/12/2022 2:15 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 2.6°C

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-32109 and analytical batch 880-32125 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Gasoline range hydrocarbons biased low in LCSD. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCSD 880-32109/3-A)

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

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

Narrative

Job Narrative
880-18525-1

Receipt
The samples were received on 8/25/2022 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-33662 and analytical batch 880-33695 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-33157/2-A) and (LCSD 880-33157/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-33157 and analytical batch 880-33143 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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

HPLC/IC

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Job ID: 880-18525-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-12-2'-081122

Lab Sample ID: 880-18047-1
Matrix: Solid
Date Collected: 08/11/22 14:30
Date Received: 08/12/22 14:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*08/16/22 16:10*	*08/17/22 03:43*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*08/16/22 16:10*	*08/17/22 03:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/22 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		08/12/22 15:08	08/15/22 11:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		08/12/22 15:08	08/15/22 11:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 15:08	08/15/22 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*08/12/22 15:08*	*08/15/22 11:23*	*1*
o-Terphenyl	*106*		*70 - 130*	*08/12/22 15:08*	*08/15/22 11:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**437**		4.99		mg/Kg			08/17/22 10:12	1

Client Sample ID: B-13-2'-081122

Lab Sample ID: 880-18047-2
Matrix: Solid
Date Collected: 08/11/22 14:35
Date Received: 08/12/22 14:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/16/22 16:10*	*08/17/22 04:09*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/16/22 16:10*	*08/17/22 04:09*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-13-2'-081122

Lab Sample ID: 880-18047-2
Matrix: Solid
Date Collected: 08/11/22 14:35
Date Received: 08/12/22 14:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/22 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		08/12/22 15:08	08/15/22 12:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 15:08	08/15/22 12:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 15:08	08/15/22 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/12/22 15:08*	*08/15/22 12:27*	*1*
o-Terphenyl	*113*		*70 - 130*	*08/12/22 15:08*	*08/15/22 12:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		5.02		mg/Kg			08/17/22 10:20	1

Client Sample ID: B-14-2'-081122

Lab Sample ID: 880-18047-3
Matrix: Solid
Date Collected: 08/11/22 14:40
Date Received: 08/12/22 14:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 04:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 04:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*08/16/22 16:10*	*08/17/22 04:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/16/22 16:10*	*08/17/22 04:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		08/12/22 15:08	08/15/22 12:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 12:48	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-14-2'-081122

Lab Sample ID: 880-18047-3
Matrix: Solid
Date Collected: 08/11/22 14:40
Date Received: 08/12/22 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*08/12/22 15:08*	*08/15/22 12:48*	*1*
o-Terphenyl	*107*		*70 - 130*	*08/12/22 15:08*	*08/15/22 12:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		4.99		mg/Kg			08/17/22 10:43	1

Client Sample ID: B-15-2'-081122

Lab Sample ID: 880-18047-4
Matrix: Solid
Date Collected: 08/11/22 14:45
Date Received: 08/12/22 14:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 05:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*08/16/22 16:10*	*08/17/22 05:03*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*08/16/22 16:10*	*08/17/22 05:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/15/22 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		08/12/22 15:08	08/15/22 13:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/12/22 15:08	08/15/22 13:10	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/12/22 15:08	08/15/22 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*08/12/22 15:08*	*08/15/22 13:10*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/12/22 15:08*	*08/15/22 13:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.7**		4.98		mg/Kg			08/17/22 10:51	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-16-2'-081122

Lab Sample ID: 880-18047-5
Matrix: Solid
Date Collected: 08/11/22 14:50
Date Received: 08/12/22 14:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 05:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*08/16/22 16:10*	*08/17/22 05:29*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/16/22 16:10*	*08/17/22 05:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		08/12/22 15:08	08/15/22 13:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 13:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*08/12/22 15:08*	*08/15/22 13:31*	*1*
o-Terphenyl	*119*		*70 - 130*	*08/12/22 15:08*	*08/15/22 13:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**259**		5.00		mg/Kg			08/17/22 11:15	1

Client Sample ID: B-17-2'-081122

Lab Sample ID: 880-18047-6
Matrix: Solid
Date Collected: 08/11/22 14:55
Date Received: 08/12/22 14:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 05:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 05:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/16/22 16:10*	*08/17/22 05:56*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/16/22 16:10*	*08/17/22 05:56*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-17-2'-081122

Lab Sample ID: 880-18047-6
Matrix: Solid
Date Collected: 08/11/22 14:55
Date Received: 08/12/22 14:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		08/12/22 15:08	08/15/22 13:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 13:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*08/12/22 15:08*	*08/15/22 13:52*	*1*
o-Terphenyl	*114*		*70 - 130*	*08/12/22 15:08*	*08/15/22 13:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**367**		5.04		mg/Kg			08/17/22 11:23	1

Client Sample ID: B-18-2'-081122

Lab Sample ID: 880-18047-7
Matrix: Solid
Date Collected: 08/11/22 15:00
Date Received: 08/12/22 14:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 06:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 06:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 06:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 06:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 06:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*08/16/22 16:10*	*08/17/22 06:22*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/16/22 16:10*	*08/17/22 06:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		08/12/22 15:08	08/15/22 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 14:14	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-18-2'-081122

Lab Sample ID: 880-18047-7
Matrix: Solid
Date Collected: 08/11/22 15:00
Date Received: 08/12/22 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*08/12/22 15:08*	*08/15/22 14:14*	*1*
o-Terphenyl	*117*		*70 - 130*	*08/12/22 15:08*	*08/15/22 14:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**149**		5.01		mg/Kg			08/17/22 11:31	1

Client Sample ID: SW-9-1'-082322

Lab Sample ID: 880-18525-1
Matrix: Solid
Date Collected: 08/23/22 10:00
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/02/22 15:57	09/05/22 06:32	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/02/22 15:57	09/05/22 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/02/22 15:57*	*09/05/22 06:32*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/02/22 15:57*	*09/05/22 06:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		08/29/22 08:34	08/29/22 11:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/29/22 08:34	08/29/22 11:53	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/29/22 08:34	08/29/22 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*08/29/22 08:34*	*08/29/22 11:53*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/29/22 08:34*	*08/29/22 11:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**442**		5.04		mg/Kg			08/26/22 12:57	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-5-1'-082322

Lab Sample ID: 880-18525-2
Matrix: Solid
Date Collected: 08/23/22 10:05
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/02/22 15:57	09/05/22 06:53	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/02/22 15:57	09/05/22 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*09/02/22 15:57*	*09/05/22 06:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/02/22 15:57*	*09/05/22 06:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**59.6**		49.9		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		08/29/22 08:34	08/29/22 15:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/29/22 08:34	08/29/22 15:30	1
Oil Range Organics (Over C28-C36)	**59.6**		49.9		mg/Kg		08/29/22 08:34	08/29/22 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/29/22 08:34*	*08/29/22 15:30*	*1*
o-Terphenyl	*108*		*70 - 130*	*08/29/22 08:34*	*08/29/22 15:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**439**		5.01		mg/Kg			08/26/22 13:25	1

Client Sample ID: SW-14-1'-082322

Lab Sample ID: 880-18525-3
Matrix: Solid
Date Collected: 08/23/22 10:10
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/02/22 15:57	09/05/22 07:13	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/02/22 15:57	09/05/22 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*09/02/22 15:57*	*09/05/22 07:13*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/02/22 15:57*	*09/05/22 07:13*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-14-1'-082322

Lab Sample ID: 880-18525-3
Matrix: Solid
Date Collected: 08/23/22 10:10
Date Received: 08/25/22 08:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		08/29/22 08:34	08/29/22 15:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/29/22 08:34	08/29/22 15:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/29/22 08:34	08/29/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*08/29/22 08:34*	*08/29/22 15:52*	*1*
o-Terphenyl	*107*		*70 - 130*	*08/29/22 08:34*	*08/29/22 15:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.0**		4.97		mg/Kg			08/26/22 13:34	1

Client Sample ID: B-33-3'-082322

Lab Sample ID: 880-18525-4
Matrix: Solid
Date Collected: 08/23/22 10:15
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:57	09/05/22 07:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:57	09/05/22 07:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:57	09/05/22 07:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/02/22 15:57	09/05/22 07:34	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		09/02/22 15:57	09/05/22 07:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/02/22 15:57	09/05/22 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*09/02/22 15:57*	*09/05/22 07:34*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/02/22 15:57*	*09/05/22 07:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**107**		49.9		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		08/29/22 08:34	08/29/22 16:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/29/22 08:34	08/29/22 16:43	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-33-3'-082322

Lab Sample ID: 880-18525-4
Matrix: Solid
Date Collected: 08/23/22 10:15
Date Received: 08/25/22 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	107		49.9		mg/Kg		08/29/22 08:34	08/29/22 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/29/22 08:34*	*08/29/22 16:43*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/29/22 08:34*	*08/29/22 16:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		4.97		mg/Kg			08/26/22 13:43	1

Client Sample ID: B-34-3'-082322

Lab Sample ID: 880-18525-5
Matrix: Solid
Date Collected: 08/23/22 10:20
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/02/22 15:57	09/05/22 07:54	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		09/02/22 15:57	09/05/22 07:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/02/22 15:57	09/05/22 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*09/02/22 15:57*	*09/05/22 07:54*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/02/22 15:57*	*09/05/22 07:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		08/29/22 08:34	08/29/22 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/29/22 08:34	08/29/22 17:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/29/22 08:34	08/29/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/29/22 08:34*	*08/29/22 17:05*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/29/22 08:34*	*08/29/22 17:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		5.00		mg/Kg			08/26/22 13:53	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-35-3'-082322

Lab Sample ID: 880-18525-6
Matrix: Solid
Date Collected: 08/23/22 10:25
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/02/22 15:57	09/05/22 08:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/02/22 15:57	09/05/22 08:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/02/22 15:57	09/05/22 08:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/02/22 15:57	09/05/22 08:15	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		09/02/22 15:57	09/05/22 08:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/02/22 15:57	09/05/22 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/02/22 15:57*	*09/05/22 08:15*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/02/22 15:57*	*09/05/22 08:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		08/29/22 08:34	08/29/22 17:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/29/22 08:34	08/29/22 17:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/29/22 08:34	08/29/22 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/29/22 08:34*	*08/29/22 17:27*	*1*
o-Terphenyl	*111*		*70 - 130*	*08/29/22 08:34*	*08/29/22 17:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**334**		5.00		mg/Kg			08/31/22 16:55	1

Client Sample ID: SW-17-1'-082322

Lab Sample ID: 880-18525-7
Matrix: Solid
Date Collected: 08/23/22 13:00
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:57	09/05/22 08:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:57	09/05/22 08:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:57	09/05/22 08:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/02/22 15:57	09/05/22 08:35	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		09/02/22 15:57	09/05/22 08:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/02/22 15:57	09/05/22 08:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*09/02/22 15:57*	*09/05/22 08:35*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/02/22 15:57*	*09/05/22 08:35*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-17-1'-082322

Lab Sample ID: 880-18525-7
Matrix: Solid
Date Collected: 08/23/22 13:00
Date Received: 08/25/22 08:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1300**		50.0		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 15:45	08/28/22 22:28	1
Diesel Range Organics (Over C10-C28)	**1300**		50.0		mg/Kg		08/26/22 15:45	08/28/22 22:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 15:45	08/28/22 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*08/26/22 15:45*	*08/28/22 22:28*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/26/22 15:45*	*08/28/22 22:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**745**		5.02		mg/Kg			08/26/22 14:11	1

Client Sample ID: SW-18-1'-082322

Lab Sample ID: 880-18525-8
Matrix: Solid
Date Collected: 08/23/22 13:05
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/02/22 15:57	09/05/22 08:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/02/22 15:57	09/05/22 08:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/02/22 15:57	09/05/22 08:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/02/22 15:57	09/05/22 08:56	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		09/02/22 15:57	09/05/22 08:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/02/22 15:57	09/05/22 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/02/22 15:57*	*09/05/22 08:56*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/02/22 15:57*	*09/05/22 08:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 15:45	08/28/22 23:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 15:45	08/28/22 23:10	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-18-1'-082322

Lab Sample ID: 880-18525-8
Matrix: Solid
Date Collected: 08/23/22 13:05
Date Received: 08/25/22 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 15:45	08/28/22 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*08/26/22 15:45*	*08/28/22 23:10*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/26/22 15:45*	*08/28/22 23:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**736**		5.01		mg/Kg			08/26/22 14:20	1

Client Sample ID: SW-19-1'-082322

Lab Sample ID: 880-18525-9
Matrix: Solid
Date Collected: 08/23/22 13:10
Date Received: 08/25/22 08:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 09:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 09:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:57	09/05/22 09:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/02/22 15:57	09/05/22 09:16	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		09/02/22 15:57	09/05/22 09:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/02/22 15:57	09/05/22 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/02/22 15:57*	*09/05/22 09:16*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*09/02/22 15:57*	*09/05/22 09:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 10:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 15:45	08/28/22 23:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 15:45	08/28/22 23:31	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 15:45	08/28/22 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*08/26/22 15:45*	*08/28/22 23:31*	*1*
o-Terphenyl	*108*		*70 - 130*	*08/26/22 15:45*	*08/28/22 23:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**423**		4.98		mg/Kg			08/26/22 12:48	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-1-2'-081022

Lab Sample ID: 890-2741-1
Matrix: Solid
Date Collected: 08/10/22 14:00
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 03:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 03:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 03:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/12/22 14:11	08/19/22 03:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 03:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/12/22 14:11	08/19/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/12/22 14:11*	*08/19/22 03:58*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/12/22 14:11*	*08/19/22 03:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		08/12/22 11:00	08/12/22 12:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 12:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/12/22 11:00*	*08/12/22 12:48*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/12/22 11:00*	*08/12/22 12:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		5.02		mg/Kg			08/15/22 11:49	1

Client Sample ID: SW-1-1'-081022

Lab Sample ID: 890-2741-2
Matrix: Solid
Date Collected: 08/10/22 14:05
Date Received: 08/11/22 12:37
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/22 14:11	08/19/22 05:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/22 14:11	08/19/22 05:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/22 14:11	08/19/22 05:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/22 14:11	08/19/22 05:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/22 14:11	08/19/22 05:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/22 14:11	08/19/22 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/12/22 14:11*	*08/19/22 05:20*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-1-1'-081022

Date Collected: 08/10/22 14:05
Date Received: 08/11/22 12:37
Sample Depth: 1

Lab Sample ID: 890-2741-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/12/22 14:11*	*08/19/22 05:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		08/12/22 11:00	08/12/22 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*83*		*70 - 130*	*08/12/22 11:00*	*08/12/22 13:09*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/12/22 11:00*	*08/12/22 13:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**154**		4.97		mg/Kg			08/15/22 11:56	1

Client Sample ID: SW-2-1'-081022

Date Collected: 08/10/22 14:10
Date Received: 08/11/22 12:37
Sample Depth: 1

Lab Sample ID: 890-2741-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/22 14:11	08/19/22 05:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/22 14:11	08/19/22 05:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/22 14:11	08/19/22 05:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/12/22 14:11	08/19/22 05:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/22 14:11	08/19/22 05:40	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/12/22 14:11	08/19/22 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/12/22 14:11*	*08/19/22 05:40*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/12/22 14:11*	*08/19/22 05:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/22 09:17	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-2-1'-081022

Lab Sample ID: 890-2741-3
Matrix: Solid
Date Collected: 08/10/22 14:10
Date Received: 08/11/22 12:37
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		08/12/22 11:00	08/12/22 13:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 11:00	08/12/22 13:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 11:00	08/12/22 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/12/22 11:00*	*08/12/22 13:31*	*1*
o-Terphenyl	*112*		*70 - 130*	*08/12/22 11:00*	*08/12/22 13:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**373**		4.99		mg/Kg			08/15/22 12:04	1

Client Sample ID: SW-3-1'-081022

Lab Sample ID: 890-2741-4
Matrix: Solid
Date Collected: 08/10/22 14:15
Date Received: 08/11/22 12:37
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/22 14:11	08/19/22 06:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/22 14:11	08/19/22 06:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/22 14:11	08/19/22 06:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/22 14:11	08/19/22 06:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/22 14:11	08/19/22 06:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/22 14:11	08/19/22 06:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*08/12/22 14:11*	*08/19/22 06:01*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/12/22 14:11*	*08/19/22 06:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		08/12/22 11:00	08/12/22 13:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 13:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/12/22 11:00*	*08/12/22 13:53*	*1*
o-Terphenyl	*111*		*70 - 130*	*08/12/22 11:00*	*08/12/22 13:53*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-3-1'-081022

Lab Sample ID: 890-2741-4
Matrix: Solid
Date Collected: 08/10/22 14:15
Date Received: 08/11/22 12:37
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.7		4.98		mg/Kg			08/15/22 12:28	1

Client Sample ID: B-2-2'-081022

Lab Sample ID: 890-2741-5
Matrix: Solid
Date Collected: 08/10/22 14:20
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/12/22 14:11	08/19/22 06:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/12/22 14:11	08/19/22 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*08/12/22 14:11*	*08/19/22 06:21*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/12/22 14:11*	*08/19/22 06:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		08/12/22 11:00	08/12/22 14:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 11:00	08/12/22 14:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 11:00	08/12/22 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/12/22 11:00*	*08/12/22 14:15*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/12/22 11:00*	*08/12/22 14:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	251		4.99		mg/Kg			08/15/22 12:36	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-4-1'-081122

Lab Sample ID: 890-2741-6
Matrix: Solid
Date Collected: 08/11/22 09:05
Date Received: 08/11/22 12:37
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/22 14:11	08/19/22 06:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/22 14:11	08/19/22 06:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/22 14:11	08/19/22 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/12/22 14:11*	*08/19/22 06:42*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*08/12/22 14:11*	*08/19/22 06:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		08/12/22 11:00	08/12/22 14:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 11:00	08/12/22 14:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 11:00	08/12/22 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*08/12/22 11:00*	*08/12/22 14:36*	*1*
o-Terphenyl	*112*		*70 - 130*	*08/12/22 11:00*	*08/12/22 14:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.0**		5.00		mg/Kg			08/15/22 12:44	1

Client Sample ID: B-3-2'-081122

Lab Sample ID: 890-2741-7
Matrix: Solid
Date Collected: 08/11/22 09:10
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/22 17:13	08/19/22 07:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/22 17:13	08/19/22 07:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/22 17:13	08/19/22 07:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/12/22 17:13	08/19/22 07:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/22 17:13	08/19/22 07:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/22 17:13	08/19/22 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*08/12/22 17:13*	*08/19/22 07:02*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-3-2'-081122

Lab Sample ID: 890-2741-7
Matrix: Solid
Date Collected: 08/11/22 09:10
Date Received: 08/11/22 12:37
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*08/12/22 17:13*	*08/19/22 07:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		08/12/22 11:00	08/12/22 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 14:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 11:00	08/12/22 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/12/22 11:00*	*08/12/22 14:58*	*1*
o-Terphenyl	*111*		*70 - 130*	*08/12/22 11:00*	*08/12/22 14:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.00		mg/Kg			08/15/22 12:52	1

Client Sample ID: B-4-2'-081122

Lab Sample ID: 890-2741-8
Matrix: Solid
Date Collected: 08/11/22 09:15
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 08:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 08:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 08:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/22 17:13	08/19/22 08:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 08:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/22 17:13	08/19/22 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*08/12/22 17:13*	*08/19/22 08:52*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/12/22 17:13*	*08/19/22 08:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/15/22 09:17	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-4-2'-081122

Lab Sample ID: 890-2741-8
Matrix: Solid
Date Collected: 08/11/22 09:15
Date Received: 08/11/22 12:37
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		08/12/22 11:00	08/12/22 15:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/12/22 11:00	08/12/22 15:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/12/22 11:00	08/12/22 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/12/22 11:00*	*08/12/22 15:20*	*1*
o-Terphenyl	*113*		*70 - 130*	*08/12/22 11:00*	*08/12/22 15:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.3**		5.02		mg/Kg			08/15/22 12:59	1

Client Sample ID: B-5-2'-081122

Lab Sample ID: 890-2741-9
Matrix: Solid
Date Collected: 08/11/22 09:20
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 09:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 09:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 09:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/22 17:13	08/19/22 09:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 09:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/22 17:13	08/19/22 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/12/22 17:13*	*08/19/22 09:12*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*08/12/22 17:13*	*08/19/22 09:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 12:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 12:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/12/22 08:52*	*08/12/22 12:53*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/12/22 08:52*	*08/12/22 12:53*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-5-2'-081122

Lab Sample ID: 890-2741-9
Matrix: Solid
Date Collected: 08/11/22 09:20
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		5.04		mg/Kg			08/15/22 13:07	1

Client Sample ID: B-6-2'-081122

Lab Sample ID: 890-2741-10
Matrix: Solid
Date Collected: 08/11/22 09:25
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/22 17:13	08/19/22 09:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/22 17:13	08/19/22 09:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/22 17:13	08/19/22 09:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/12/22 17:13	08/19/22 09:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/22 17:13	08/19/22 09:33	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/12/22 17:13	08/19/22 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/12/22 17:13*	*08/19/22 09:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/12/22 17:13*	*08/19/22 09:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*08/12/22 08:52*	*08/12/22 13:14*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/12/22 08:52*	*08/12/22 13:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.5		4.98		mg/Kg			08/15/22 13:31	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-7-2'081122

Lab Sample ID: 890-2741-11
Matrix: Solid
Date Collected: 08/11/22 09:30
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 09:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 09:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 09:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/22 17:13	08/19/22 09:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/22 17:13	08/19/22 09:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/22 17:13	08/19/22 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/12/22 17:13*	*08/19/22 09:53*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/12/22 17:13*	*08/19/22 09:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*08/12/22 08:52*	*08/12/22 13:36*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/12/22 08:52*	*08/12/22 13:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.1**		4.99		mg/Kg			08/15/22 13:39	1

Client Sample ID: B-8-2'-081122

Lab Sample ID: 890-2741-12
Matrix: Solid
Date Collected: 08/11/22 09:35
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/22 17:13	08/19/22 10:14	1
Toluene	**0.00274**		0.00198		mg/Kg		08/12/22 17:13	08/19/22 10:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/22 17:13	08/19/22 10:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/22 17:13	08/19/22 10:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/22 17:13	08/19/22 10:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/22 17:13	08/19/22 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*08/12/22 17:13*	*08/19/22 10:14*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-8-2'-081122

Lab Sample ID: 890-2741-12
Matrix: Solid
Date Collected: 08/11/22 09:35
Date Received: 08/11/22 12:37
Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*08/12/22 17:13*	*08/19/22 10:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*122*		*70 - 130*	*08/12/22 08:52*	*08/12/22 13:57*	*1*
o-Terphenyl	*108*		*70 - 130*	*08/12/22 08:52*	*08/12/22 13:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**271**		5.00		mg/Kg			08/15/22 14:02	1

Client Sample ID: B-9-2'-081122

Lab Sample ID: 890-2741-13
Matrix: Solid
Date Collected: 08/11/22 09:40
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 10:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 10:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 10:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/22 17:13	08/19/22 10:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/22 17:13	08/19/22 10:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/22 17:13	08/19/22 10:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/12/22 17:13*	*08/19/22 10:34*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/12/22 17:13*	*08/19/22 10:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/22 09:17	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-9-2'-081122

Lab Sample ID: 890-2741-13
Matrix: Solid
Date Collected: 08/11/22 09:40
Date Received: 08/11/22 12:37
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/12/22 08:52	08/12/22 14:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/12/22 08:52	08/12/22 14:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 08:52	08/12/22 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/12/22 08:52*	*08/12/22 14:19*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/12/22 08:52*	*08/12/22 14:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.8**		5.04		mg/Kg			08/15/22 14:10	1

Client Sample ID: B-10-2'-081122

Lab Sample ID: 890-2741-14
Matrix: Solid
Date Collected: 08/11/22 10:30
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/22 17:13	08/19/22 10:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/22 17:13	08/19/22 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/22 17:13	08/19/22 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/22 17:13	08/19/22 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/22 17:13	08/19/22 10:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/22 17:13	08/19/22 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/12/22 17:13*	*08/19/22 10:55*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/12/22 17:13*	*08/19/22 10:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 14:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 14:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*08/12/22 08:52*	*08/12/22 14:40*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/12/22 08:52*	*08/12/22 14:40*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-10-2'-081122
Lab Sample ID: 890-2741-14
Date Collected: 08/11/22 10:30
Matrix: Solid
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**365**		5.01		mg/Kg			08/15/22 14:18	1

Client Sample ID: B-11-2'-081122
Lab Sample ID: 890-2741-15
Date Collected: 08/11/22 10:35
Matrix: Solid
Date Received: 08/11/22 12:37
Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 22:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/19/22 13:53*	*08/19/22 22:11*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*08/19/22 13:53*	*08/19/22 22:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**129**		50.0		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 15:02	1
Diesel Range Organics (Over C10-C28)	**129**		50.0		mg/Kg		08/12/22 08:52	08/12/22 15:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*08/12/22 08:52*	*08/12/22 15:02*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/12/22 08:52*	*08/12/22 15:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**486**		4.98		mg/Kg			08/15/22 14:26	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-6-1'-081122

Lab Sample ID: 890-2741-16
Matrix: Solid
Date Collected: 08/11/22 11:30
Date Received: 08/11/22 12:37
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 22:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/19/22 13:53*	*08/19/22 22:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*08/19/22 13:53*	*08/19/22 22:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**465**		49.9		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/12/22 08:52	08/12/22 15:45	1
Diesel Range Organics (Over C10-C28)	**465**		49.9		mg/Kg		08/12/22 08:52	08/12/22 15:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 08:52	08/12/22 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*08/12/22 08:52*	*08/12/22 15:45*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/12/22 08:52*	*08/12/22 15:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		4.99		mg/Kg			08/15/22 14:34	1

Client Sample ID: SW-7-1'-081122

Lab Sample ID: 890-2741-17
Matrix: Solid
Date Collected: 08/11/22 11:35
Date Received: 08/11/22 12:37
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 22:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 22:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*08/19/22 13:53*	*08/19/22 22:52*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-7-1'-081122

Lab Sample ID: 890-2741-17
Matrix: Solid
Date Collected: 08/11/22 11:35
Date Received: 08/11/22 12:37
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/19/22 13:53*	*08/19/22 22:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/19/22 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1420**		49.9		mg/Kg			08/15/22 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**79.5**		49.9		mg/Kg		08/12/22 08:52	08/12/22 16:06	1
Diesel Range Organics (Over C10-C28)	**1340**		49.9		mg/Kg		08/12/22 08:52	08/12/22 16:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/12/22 08:52	08/12/22 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*129*		*70 - 130*	*08/12/22 08:52*	*08/12/22 16:06*	*1*
o-Terphenyl	*120*		*70 - 130*	*08/12/22 08:52*	*08/12/22 16:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**272**		5.01		mg/Kg			08/15/22 14:42	1

Client Sample ID: SW-8- 081522

Lab Sample ID: 890-2753-1
Matrix: Solid
Date Collected: 08/15/22 10:15
Date Received: 08/15/22 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:07	08/27/22 01:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:07	08/27/22 01:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:07	08/27/22 01:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/22 15:07	08/27/22 01:50	1
o-Xylene	<0.00202	U F1 F2	0.00202		mg/Kg		08/22/22 15:07	08/27/22 01:50	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		08/22/22 15:07	08/27/22 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/22/22 15:07*	*08/27/22 01:50*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*08/22/22 15:07*	*08/27/22 01:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.4**		50.0		mg/Kg			08/17/22 09:07	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-8- 081522

Lab Sample ID: 890-2753-1
Matrix: Solid
Date Collected: 08/15/22 10:15
Date Received: 08/15/22 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 16:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 16:29	1
Oil Range Organics (Over C28-C36)	**62.4**		50.0		mg/Kg		08/16/22 09:10	08/16/22 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/16/22 09:10*	*08/16/22 16:29*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/16/22 09:10*	*08/16/22 16:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.1**		5.04		mg/Kg			08/16/22 15:19	1

Client Sample ID: B-19-2 081522

Lab Sample ID: 890-2753-2
Matrix: Solid
Date Collected: 08/15/22 10:20
Date Received: 08/15/22 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 02:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 02:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 02:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/22 15:07	08/27/22 02:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 02:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/22 15:07	08/27/22 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/22/22 15:07*	*08/27/22 02:11*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*08/22/22 15:07*	*08/27/22 02:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**61.6**		50.0		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 16:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 16:51	1
Oil Range Organics (Over C28-C36)	**61.6**		50.0		mg/Kg		08/16/22 09:10	08/16/22 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/16/22 09:10*	*08/16/22 16:51*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/16/22 09:10*	*08/16/22 16:51*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-19-2 081522

Lab Sample ID: 890-2753-2
Matrix: Solid
Date Collected: 08/15/22 10:20
Date Received: 08/15/22 12:40

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.0**		5.02		mg/Kg			08/16/22 15:29	1

Client Sample ID: B-20-2 081522

Lab Sample ID: 890-2753-3
Matrix: Solid
Date Collected: 08/15/22 10:25
Date Received: 08/15/22 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 02:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 02:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 02:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 15:07	08/27/22 02:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 02:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 15:07	08/27/22 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/22/22 15:07*	*08/27/22 02:31*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:07*	*08/27/22 02:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.9**		50.0		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 17:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 17:13	1
Oil Range Organics (Over C28-C36)	**55.9**		50.0		mg/Kg		08/16/22 09:10	08/16/22 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/16/22 09:10*	*08/16/22 17:13*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/16/22 09:10*	*08/16/22 17:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.3**		5.00		mg/Kg			08/16/22 15:38	1

Client Sample ID: B-22-2 081522

Lab Sample ID: 890-2753-4
Matrix: Solid
Date Collected: 08/15/22 11:05
Date Received: 08/15/22 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 02:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 02:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 02:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-22-2 081522

Date Collected: 08/15/22 11:05
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/22 15:07	08/27/22 02:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 02:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/22 15:07	08/27/22 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/22/22 15:07*	*08/27/22 02:52*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*08/22/22 15:07*	*08/27/22 02:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.5**		49.9		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/16/22 09:10	08/16/22 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/16/22 09:10	08/16/22 17:34	1
Oil Range Organics (Over C28-C36)	**53.5**		49.9		mg/Kg		08/16/22 09:10	08/16/22 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*08/16/22 09:10*	*08/16/22 17:34*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/16/22 09:10*	*08/16/22 17:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**373**		4.98		mg/Kg			08/16/22 15:47	1

Client Sample ID: B-23-2 081522

Date Collected: 08/15/22 11:10
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 15:07	08/27/22 03:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 15:07	08/27/22 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/22/22 15:07*	*08/27/22 03:12*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/22/22 15:07*	*08/27/22 03:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 12:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-23-2 081522

Date Collected: 08/15/22 11:10
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/16/22 09:10*	*08/16/22 17:55*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/16/22 09:10*	*08/16/22 17:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		4.99		mg/Kg			08/16/22 15:56	1

Client Sample ID: B-24-2 081522

Date Collected: 08/15/22 11:15
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 15:07	08/27/22 03:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:07	08/27/22 03:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 15:07	08/27/22 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/22/22 15:07*	*08/27/22 03:33*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*08/22/22 15:07*	*08/27/22 03:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/16/22 09:10	08/16/22 18:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/16/22 09:10	08/16/22 18:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/16/22 09:10	08/16/22 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/16/22 09:10*	*08/16/22 18:17*	*1*

Eurofins Midland

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-24-2 081522

Lab Sample ID: 890-2753-6
Matrix: Solid
Date Collected: 08/15/22 11:15
Date Received: 08/15/22 12:40

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*70 - 130*	*08/16/22 09:10*	*08/16/22 18:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**383**		5.03		mg/Kg			08/16/22 16:24	1

Client Sample ID: SW-9-1 081522

Lab Sample ID: 890-2753-7
Matrix: Solid
Date Collected: 08/15/22 11:20
Date Received: 08/15/22 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 03:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 03:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 03:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/22 15:07	08/27/22 03:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 03:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/22 15:07	08/27/22 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/22/22 15:07*	*08/27/22 03:53*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:07*	*08/27/22 03:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 18:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 18:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*08/16/22 09:10*	*08/16/22 18:39*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/16/22 09:10*	*08/16/22 18:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**614**		5.04		mg/Kg			08/16/22 16:33	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-10-1 081522

Lab Sample ID: 890-2753-8
Matrix: Solid
Date Collected: 08/15/22 11:25
Date Received: 08/15/22 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 04:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 04:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 04:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/22 15:07	08/27/22 04:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:07	08/27/22 04:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/22 15:07	08/27/22 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/22/22 15:07*	*08/27/22 04:14*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:07*	*08/27/22 04:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/16/22 09:10	08/16/22 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/16/22 09:10	08/16/22 19:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/16/22 09:10	08/16/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*08/16/22 09:10*	*08/16/22 19:00*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/16/22 09:10*	*08/16/22 19:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**402**		5.05		mg/Kg			08/16/22 17:01	1

Client Sample ID: B-21-2 081522

Lab Sample ID: 890-2753-9
Matrix: Solid
Date Collected: 08/15/22 11:30
Date Received: 08/15/22 12:40

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:07	08/27/22 04:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:07	08/27/22 04:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:07	08/27/22 04:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/22/22 15:07	08/27/22 04:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:07	08/27/22 04:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/22/22 15:07	08/27/22 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/22/22 15:07*	*08/27/22 04:34*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:07*	*08/27/22 04:34*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-21-2 081522

Lab Sample ID: 890-2753-9
Matrix: Solid
Date Collected: 08/15/22 11:30
Date Received: 08/15/22 12:40

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/29/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/17/22 09:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/16/22 09:10	08/16/22 19:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/16/22 09:10	08/16/22 19:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/16/22 09:10	08/16/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/16/22 09:10*	*08/16/22 19:22*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/16/22 09:10*	*08/16/22 19:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		5.01		mg/Kg			08/16/22 17:10	1

Client Sample ID: B-25-2 081622

Lab Sample ID: 890-2764-1
Matrix: Solid
Date Collected: 08/16/22 15:00
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:56	08/29/22 08:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:56	08/29/22 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/26/22 13:56*	*08/29/22 08:15*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/26/22 13:56*	*08/29/22 08:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 12:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		08/23/22 09:00	08/23/22 12:08	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-25-2 081622
Date Collected: 08/16/22 15:00
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*08/23/22 09:00*	*08/23/22 12:08*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/23/22 09:00*	*08/23/22 12:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.2**		4.96		mg/Kg			08/19/22 13:27	1

Client Sample ID: B--26-2 081622
Date Collected: 08/16/22 15:05
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:56	08/29/22 08:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:56	08/29/22 08:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:56	08/29/22 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*08/26/22 13:56*	*08/29/22 08:41*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/26/22 13:56*	*08/29/22 08:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 13:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 13:11	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*08/23/22 09:00*	*08/23/22 13:11*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/23/22 09:00*	*08/23/22 13:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		5.00		mg/Kg			08/19/22 13:51	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-27-2 081622

Date Collected: 08/16/22 15:10
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:56	08/29/22 09:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:56	08/29/22 09:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:56	08/29/22 09:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/26/22 13:56	08/29/22 09:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:56	08/29/22 09:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/26/22 13:56	08/29/22 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*08/26/22 13:56*	*08/29/22 09:07*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/26/22 13:56*	*08/29/22 09:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 13:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/23/22 09:00*	*08/23/22 13:33*	*1*
o-Terphenyl	*83*		*70 - 130*	*08/23/22 09:00*	*08/23/22 13:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.6**		4.97		mg/Kg			08/19/22 13:59	1

Client Sample ID: B-28-2 081622

Date Collected: 08/16/22 15:15
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 11:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 11:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 11:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/26/22 13:57	08/29/22 11:02	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/26/22 13:57	08/29/22 11:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/22 13:57	08/29/22 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/26/22 13:57*	*08/29/22 11:02*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/26/22 13:57*	*08/29/22 11:02*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-28-2 081622

Date Collected: 08/16/22 15:15
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-4
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 13:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*08/23/22 09:00*	*08/23/22 13:54*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/23/22 09:00*	*08/23/22 13:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**516**		4.95		mg/Kg			08/19/22 14:07	1

Client Sample ID: B-29-2 081622

Date Collected: 08/16/22 15:20
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:57	08/29/22 11:23	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:57	08/29/22 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*08/26/22 13:57*	*08/29/22 11:23*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/26/22 13:57*	*08/29/22 11:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 14:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 14:15	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-29-2 081622

Lab Sample ID: 890-2764-5
Matrix: Solid
Date Collected: 08/16/22 15:20
Date Received: 08/17/22 12:52

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*08/23/22 09:00*	*08/23/22 14:15*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/23/22 09:00*	*08/23/22 14:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**408**		4.97		mg/Kg			08/19/22 14:14	1

Client Sample ID: B-30-2 081622

Lab Sample ID: 890-2764-6
Matrix: Solid
Date Collected: 08/16/22 15:25
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:57	08/29/22 11:43	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/26/22 13:57	08/29/22 11:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:57	08/29/22 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*08/26/22 13:57*	*08/29/22 11:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/26/22 13:57*	*08/29/22 11:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 14:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 14:37	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*08/23/22 09:00*	*08/23/22 14:37*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/23/22 09:00*	*08/23/22 14:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**534**		4.96		mg/Kg			08/19/22 14:38	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-31-2 081622

Date Collected: 08/16/22 15:30
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-7

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:57	08/29/22 12:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:57	08/29/22 12:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:57	08/29/22 12:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:57	08/29/22 12:04	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		08/26/22 13:57	08/29/22 12:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:57	08/29/22 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*08/26/22 13:57*	*08/29/22 12:04*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/26/22 13:57*	*08/29/22 12:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 14:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/23/22 09:00*	*08/23/22 14:58*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/23/22 09:00*	*08/23/22 14:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**326**		5.05		mg/Kg			08/19/22 14:46	1

Client Sample ID: B-32-2 081622

Date Collected: 08/16/22 15:35
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 12:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 12:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 12:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/26/22 13:57	08/29/22 12:24	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/26/22 13:57	08/29/22 12:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/26/22 13:57	08/29/22 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*08/26/22 13:57*	*08/29/22 12:24*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/26/22 13:57*	*08/29/22 12:24*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-32-2 081622

Date Collected: 08/16/22 15:35
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-8
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 15:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 15:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*08/23/22 09:00*	*08/23/22 15:20*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/23/22 09:00*	*08/23/22 15:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**561**		4.99		mg/Kg			08/19/22 14:54	1

Client Sample ID: B-33-2 081622

Date Collected: 08/16/22 15:40
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:57	08/29/22 12:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:57	08/29/22 12:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:57	08/29/22 12:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/26/22 13:57	08/29/22 12:45	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		08/26/22 13:57	08/29/22 12:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/26/22 13:57	08/29/22 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*08/26/22 13:57*	*08/29/22 12:45*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/26/22 13:57*	*08/29/22 12:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 15:42	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-33-2 081622

Lab Sample ID: 890-2764-9
Matrix: Solid
Date Collected: 08/16/22 15:40
Date Received: 08/17/22 12:52

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/23/22 09:00*	*08/23/22 15:42*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/23/22 09:00*	*08/23/22 15:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**719**		5.00		mg/Kg			08/19/22 15:01	1

Client Sample ID: SW-11-1 081722

Lab Sample ID: 890-2764-10
Matrix: Solid
Date Collected: 08/16/22 15:45
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 13:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 13:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 13:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/26/22 13:57	08/29/22 13:05	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/26/22 13:57	08/29/22 13:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/26/22 13:57	08/29/22 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/26/22 13:57*	*08/29/22 13:05*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/26/22 13:57*	*08/29/22 13:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 16:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*08/23/22 09:00*	*08/23/22 16:03*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/23/22 09:00*	*08/23/22 16:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**379**		4.96		mg/Kg			08/19/22 15:09	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-34-2 081722

Date Collected: 08/17/22 10:00
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 21:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 21:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 21:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/30/22 21:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 21:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/30/22 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*08/29/22 10:39*	*08/30/22 21:35*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/29/22 10:39*	*08/30/22 21:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 16:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/23/22 09:00*	*08/23/22 16:46*	*1*
o-Terphenyl	*83*		*70 - 130*	*08/23/22 09:00*	*08/23/22 16:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**747**	**F1**	4.95		mg/Kg			08/19/22 15:17	1

Client Sample ID: B-35-2 081722

Date Collected: 08/17/22 10:10
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 10:39	08/30/22 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 10:39	08/30/22 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*08/29/22 10:39*	*08/30/22 21:55*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/29/22 10:39*	*08/30/22 21:55*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-35-2 081722

Lab Sample ID: 890-2764-12
Matrix: Solid
Date Collected: 08/17/22 10:10
Date Received: 08/17/22 12:52

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 17:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 17:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*08/23/22 09:00*	*08/23/22 17:07*	*1*
o-Terphenyl	*82*		*70 - 130*	*08/23/22 09:00*	*08/23/22 17:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**610**		4.99		mg/Kg			08/19/22 15:41	1

Client Sample ID: B-36-2 081722

Lab Sample ID: 890-2764-13
Matrix: Solid
Date Collected: 08/17/22 10:15
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:39	08/30/22 22:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:39	08/30/22 22:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:39	08/30/22 22:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/29/22 10:39	08/30/22 22:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:39	08/30/22 22:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/29/22 10:39	08/30/22 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*08/29/22 10:39*	*08/30/22 22:16*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/29/22 10:39*	*08/30/22 22:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 17:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 17:28	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-36-2 081722

Date Collected: 08/17/22 10:15
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*08/23/22 09:00*	*08/23/22 17:28*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/23/22 09:00*	*08/23/22 17:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**312**		5.02		mg/Kg			08/19/22 15:49	1

Client Sample ID: B--37-2 081722

Date Collected: 08/17/22 10:20
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 22:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 22:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 22:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/29/22 10:39	08/30/22 22:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 22:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/29/22 10:39	08/30/22 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*08/29/22 10:39*	*08/30/22 22:36*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/29/22 10:39*	*08/30/22 22:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 17:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 17:49	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/23/22 09:00*	*08/23/22 17:49*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/23/22 09:00*	*08/23/22 17:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**		4.98		mg/Kg			08/19/22 16:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-38-2 081722

Date Collected: 08/17/22 10:25
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 22:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 22:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 22:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/30/22 22:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 22:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/30/22 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/29/22 10:39*	*08/30/22 22:57*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/29/22 10:39*	*08/30/22 22:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 18:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 18:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/23/22 09:00*	*08/23/22 18:09*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/23/22 09:00*	*08/23/22 18:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		4.99		mg/Kg			08/19/22 16:20	1

Client Sample ID: SW-12-1 081722

Date Collected: 08/17/22 10:30
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-16

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 23:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 23:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 23:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 10:39	08/30/22 23:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 23:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 10:39	08/30/22 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/29/22 10:39*	*08/30/22 23:17*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/29/22 10:39*	*08/30/22 23:17*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-12-1 081722

Lab Sample ID: 890-2764-16
Matrix: Solid
Date Collected: 08/17/22 10:30
Date Received: 08/17/22 12:52

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 18:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 18:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/23/22 09:00*	*08/23/22 18:29*	*1*
o-Terphenyl	*93*		*70 - 130*	*08/23/22 09:00*	*08/23/22 18:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**369**		5.04		mg/Kg			08/19/22 16:28	1

Client Sample ID: SW-13-1 081722

Lab Sample ID: 890-2764-17
Matrix: Solid
Date Collected: 08/17/22 10:35
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 23:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 23:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 23:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/30/22 23:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/30/22 23:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/30/22 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/29/22 10:39*	*08/30/22 23:38*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/29/22 10:39*	*08/30/22 23:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 18:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 18:50	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-13-1 081722

Lab Sample ID: 890-2764-17
Matrix: Solid
Date Collected: 08/17/22 10:35
Date Received: 08/17/22 12:52

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/23/22 09:00*	*08/23/22 18:50*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/23/22 09:00*	*08/23/22 18:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**287**		4.95		mg/Kg			08/19/22 16:36	1

Client Sample ID: SW-14-1 081722

Lab Sample ID: 890-2764-18
Matrix: Solid
Date Collected: 08/17/22 11:10
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 23:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 23:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 23:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/29/22 10:39	08/30/22 23:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/30/22 23:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/29/22 10:39	08/30/22 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*08/29/22 10:39*	*08/30/22 23:58*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/29/22 10:39*	*08/30/22 23:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 19:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*08/23/22 09:00*	*08/23/22 19:11*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/23/22 09:00*	*08/23/22 19:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**606**		4.95		mg/Kg			08/19/22 16:44	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-15-1 081722

Lab Sample ID: 890-2764-19
Matrix: Solid
Date Collected: 08/17/22 11:15
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/31/22 02:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/31/22 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*08/29/22 10:39*	*08/31/22 02:02*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/29/22 10:39*	*08/31/22 02:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**281**		50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 19:31	1
Diesel Range Organics (Over C10-C28)	**281**		50.0		mg/Kg		08/23/22 09:00	08/23/22 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/23/22 09:00*	*08/23/22 19:31*	*1*
o-Terphenyl	*82*		*70 - 130*	*08/23/22 09:00*	*08/23/22 19:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2020**		24.8		mg/Kg			08/19/22 16:52	5

Client Sample ID: B-39-2 081722

Lab Sample ID: 890-2764-20
Matrix: Solid
Date Collected: 08/17/22 11:20
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/31/22 02:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:39	08/31/22 02:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:39	08/31/22 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*08/29/22 10:39*	*08/31/22 02:22*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/29/22 10:39*	*08/31/22 02:22*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-39-2 081722

Date Collected: 08/17/22 11:20
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-20

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 19:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 19:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 09:00	08/23/22 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*08/23/22 09:00*	*08/23/22 19:51*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/23/22 09:00*	*08/23/22 19:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		5.02		mg/Kg			08/19/22 16:59	1

Client Sample ID: B-40-2 081722

Date Collected: 08/17/22 11:25
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-21

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 02:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 02:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 02:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/29/22 10:39	08/31/22 02:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 02:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/29/22 10:39	08/31/22 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*08/29/22 10:39*	*08/31/22 02:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/29/22 10:39*	*08/31/22 02:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 22:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 22:02	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-40-2 081722

Date Collected: 08/17/22 11:25
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*08/23/22 10:46*	*08/24/22 22:02*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/23/22 10:46*	*08/24/22 22:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**141**		5.02		mg/Kg			08/19/22 20:58	1

Client Sample ID: B-41-2 081722

Date Collected: 08/17/22 11:30
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/31/22 03:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/31/22 03:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/31/22 03:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 10:39	08/31/22 03:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/31/22 03:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 10:39	08/31/22 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/29/22 10:39*	*08/31/22 03:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/29/22 10:39*	*08/31/22 03:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 22:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 22:24	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/23/22 10:46*	*08/24/22 22:24*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/23/22 10:46*	*08/24/22 22:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		4.98		mg/Kg			08/19/22 21:08	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-42-2 081722

Lab Sample ID: 890-2764-23
Matrix: Solid
Date Collected: 08/17/22 11:35
Date Received: 08/17/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 03:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 03:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 03:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/29/22 10:39	08/31/22 03:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/29/22 10:39	08/31/22 03:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/29/22 10:39	08/31/22 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/29/22 10:39*	*08/31/22 03:24*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/29/22 10:39*	*08/31/22 03:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/22 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/23/22 10:46	08/24/22 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/23/22 10:46	08/24/22 22:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/23/22 10:46	08/24/22 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*08/23/22 10:46*	*08/24/22 22:46*	*1*
o-Terphenyl	*78*		*70 - 130*	*08/23/22 10:46*	*08/24/22 22:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		4.95		mg/Kg			08/19/22 21:17	1

Client Sample ID: B-11-3 081722

Lab Sample ID: 890-2779-1
Matrix: Solid
Date Collected: 08/17/22 14:00
Date Received: 08/18/22 13:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 11:04	08/30/22 06:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 11:04	08/30/22 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/29/22 11:04*	*08/30/22 06:48*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/29/22 11:04*	*08/30/22 06:48*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-11-3 081722

Lab Sample ID: 890-2779-1
Matrix: Solid
Date Collected: 08/17/22 14:00
Date Received: 08/18/22 13:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/30/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/22 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 14:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 14:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*59*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 14:27*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 14:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		5.04		mg/Kg			08/22/22 11:58	1

Client Sample ID: SW-6-2 081722

Lab Sample ID: 890-2779-2
Matrix: Solid
Date Collected: 08/17/22 14:05
Date Received: 08/18/22 13:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 07:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 07:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 07:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 11:04	08/30/22 07:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 07:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 11:04	08/30/22 07:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/29/22 11:04*	*08/30/22 07:08*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*08/29/22 11:04*	*08/30/22 07:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/30/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/23/22 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/22 09:31	08/22/22 14:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/22 09:31	08/22/22 14:49	1

Eurofins Midland

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-6-2 081722

Date Collected: 08/17/22 14:05
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/22 09:31	08/22/22 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 14:49*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 14:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.7**		5.02		mg/Kg			08/22/22 12:40	1

Client Sample ID: SW-7-2 081722

Date Collected: 08/17/22 14:10
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/29/22 11:04	08/30/22 07:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/29/22 11:04	08/30/22 07:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/29/22 11:04	08/30/22 07:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/29/22 11:04	08/30/22 07:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/29/22 11:04	08/30/22 07:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/29/22 11:04	08/30/22 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/29/22 11:04*	*08/30/22 07:29*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*08/29/22 11:04*	*08/30/22 07:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/30/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/22 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 15:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 15:10	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*08/22/22 09:31*	*08/22/22 15:10*	*1*
o-Terphenyl	*74*		*70 - 130*	*08/22/22 09:31*	*08/22/22 15:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**254**		5.05		mg/Kg			08/22/22 12:48	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-5-1 081722

Date Collected: 08/18/22 11:30
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 10:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 10:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 10:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 10:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 10:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/29/22 10:54*	*08/31/22 10:23*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/29/22 10:54*	*08/31/22 10:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/30/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/22 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 15:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 15:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 15:32*	*1*
o-Terphenyl	*57*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 15:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**751**		5.03		mg/Kg			08/22/22 12:56	1

Client Sample ID: B-42-2 081722

Date Collected: 08/18/22 11:35
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 10:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 10:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 10:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 10:54	08/31/22 10:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 10:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 10:54	08/31/22 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/29/22 10:54*	*08/31/22 10:43*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*08/29/22 10:54*	*08/31/22 10:43*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-42-2 081722

Date Collected: 08/18/22 11:35
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-5

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/30/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/23/22 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/22 09:31	08/22/22 15:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/22 09:31	08/22/22 15:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/22 09:31	08/22/22 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 15:54*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 15:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.4**		5.03		mg/Kg			08/22/22 13:04	1

Client Sample ID: B-43-2 081722

Date Collected: 08/18/22 11:40
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 11:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 11:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 11:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/29/22 10:54	08/31/22 11:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 11:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/29/22 10:54	08/31/22 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/29/22 10:54*	*08/31/22 11:03*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*08/29/22 10:54*	*08/31/22 11:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/30/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/22 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 16:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 16:15	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-43-2 081722

Lab Sample ID: 890-2779-6
Matrix: Solid
Date Collected: 08/18/22 11:40
Date Received: 08/18/22 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*62*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 16:15*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 16:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.7**		4.97		mg/Kg			08/22/22 13:27	1

Client Sample ID: Sw-16-1 081722

Lab Sample ID: 890-2779-7
Matrix: Solid
Date Collected: 08/18/22 11:45
Date Received: 08/18/22 13:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 11:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 11:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 11:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 11:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 11:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/29/22 10:54*	*08/31/22 11:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/29/22 10:54*	*08/31/22 11:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/30/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/23/22 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/22/22 09:31	08/22/22 17:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/22/22 09:31	08/22/22 17:10	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/22/22 09:31	08/22/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*08/22/22 09:31*	*08/22/22 17:10*	*1*
o-Terphenyl	*77*		*70 - 130*	*08/22/22 09:31*	*08/22/22 17:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.6**		5.01		mg/Kg			08/22/22 13:35	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga 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)
880-18047-1	B-12-2'-081122	80	79
880-18047-1 MS	B-12-2'-081122	105	98
880-18047-1 MSD	B-12-2'-081122	112	108
880-18047-2	B-13-2'-081122	112	84
880-18047-3	B-14-2'-081122	108	96
880-18047-4	B-15-2'-081122	102	102
880-18047-5	B-16-2'-081122	116	87
880-18047-6	B-17-2'-081122	103	101
880-18047-7	B-18-2'-081122	118	100
880-18525-1	SW-9-1'-082322	118	92
880-18525-1 MS	SW-9-1'-082322	146 S1+	97
880-18525-1 MSD	SW-9-1'-082322	149 S1+	97
880-18525-2	SW-5-1'-082322	126	96
880-18525-3	SW-14-1'-082322	128	87
880-18525-4	B-33-3'-082322	126	91
880-18525-5	B-34-3'-082322	124	89
880-18525-6	B-35-3'-082322	118	93
880-18525-7	SW-17-1'-082322	125	106
880-18525-8	SW-18-1'-082322	112	99
880-18525-9	SW-19-1'-082322	117	78
890-2741-1	B-1-2'-081022	92	97
890-2741-1 MS	B-1-2'-081022	110	95
890-2741-1 MSD	B-1-2'-081022	102	105
890-2741-2	SW-1-1'-081022	109	100
890-2741-3	SW-2-1'-081022	91	97
890-2741-4	SW-3-1'-081022	106	100
890-2741-5	B-2-2'-081022	106	98
890-2741-6	SW-4-1'-081122	103	103
890-2741-7	B-3-2'-081122	97	105
890-2741-8	B-4-2'-081122	97	96
890-2741-9	B-5-2'-081122	101	105
890-2741-10	B-6-2'-081122	89	98
890-2741-11	B-7-2'081122	100	100
890-2741-12	B-8-2'-081122	63 S1-	137 S1+
890-2741-13	B-9-2'-081122	101	97
890-2741-14	B-10-2'-081122	90	100
890-2741-15	B-11-2'-081122	98	106
890-2741-16	SW-6-1'-081122	96	99
890-2741-17	SW-7-1'-081122	97	96
890-2753-1	SW-8- 081522	90	99
890-2753-1 MS	SW-8- 081522	90	104
890-2753-1 MSD	SW-8- 081522	92	100
890-2753-2	B-19-2 081522	93	103
890-2753-3	B-20-2 081522	95	101
890-2753-4	B-22-2 081522	91	103
890-2753-5	B-23-2 081522	91	100
890-2753-6	B-24-2 081522	90	104
890-2753-7	SW-9-1 081522	94	101
890-2753-8	SW-10-1 081522	92	101

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 880-18525-1
Project/Site: Hambone Fed 8 CTB 30133377 SDG: Malaga NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2753-9	B-21-2 081522	94	101
890-2764-1	B-25-2 081622	101	95
890-2764-2	B--26-2 081622	116	90
890-2764-3	B-27-2 081622	123	94
890-2764-4	B-28-2 081622	109	97
890-2764-4 MS	B-28-2 081622	131 S1+	102
890-2764-4 MSD	B-28-2 081622	135 S1+	107
890-2764-5	B-29-2 081622	115	93
890-2764-6	B-30-2 081622	117	93
890-2764-7	B-31-2 081622	107	89
890-2764-8	B-32-2 081622	122	82
890-2764-9	B-33-2 081622	123	80
890-2764-10	SW-11-1 081722	112	97
890-2764-11	B-34-2 081722	106	95
890-2764-11 MS	B-34-2 081722	114	110
890-2764-11 MSD	B-34-2 081722	127	98
890-2764-12	B-35-2 081722	115	97
890-2764-13	B-36-2 081722	116	97
890-2764-14	B--37-2 081722	129	84
890-2764-15	B-38-2 081722	114	98
890-2764-16	SW-12-1 081722	114	84
890-2764-17	SW-13-1 081722	113	98
890-2764-18	SW-14-1 081722	118	83
890-2764-19	SW-15-1 081722	118	107
890-2764-20	B-39-2 081722	105	84
890-2764-21	B-40-2 081722	88	94
890-2764-22	B-41-2 081722	112	94
890-2764-23	B-42-2 081722	109	93
890-2779-1	B-11-3 081722	96	107
890-2779-2	SW-6-2 081722	92	108
890-2779-3	SW-7-2 081722	98	104
890-2779-4	SW-5-1 081722	93	107
890-2779-5	B-42-2 081722	92	105
890-2779-6	B-43-2 081722	90	105
890-2779-7	Sw-16-1 081722	100	107
LCS 880-32273/1-A	Lab Control Sample	108	107
LCS 880-32444/1-A	Lab Control Sample	98	102
LCS 880-32516/1-A	Lab Control Sample	102	96
LCS 880-32705/1-A	Lab Control Sample	89	99
LCS 880-33031/1-A	Lab Control Sample	132 S1+	105
LCS 880-33066/1-A	Lab Control Sample	136 S1+	107
LCS 880-33191/1-A	Lab Control Sample	112	105
LCS 880-33192/1-A	Lab Control Sample	94	102
LCS 880-33194/1-A	Lab Control Sample	95	96
LCS 880-33662/1-A	Lab Control Sample	128	100
LCSD 880-32273/2-A	Lab Control Sample Dup	106	92
LCSD 880-32444/2-A	Lab Control Sample Dup	98	107
LCSD 880-32516/2-A	Lab Control Sample Dup	104	97
LCSD 880-32705/2-A	Lab Control Sample Dup	85	102
LCSD 880-33031/2-A	Lab Control Sample Dup	124	96

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 880-18525-1
Project/Site: Hambone Fed 8 CTB 30133377 SDG: Malaga NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCSD 880-33066/2-A	Lab Control Sample Dup	129	103
LCSD 880-33191/2-A	Lab Control Sample Dup	141 S1+	106
LCSD 880-33192/2-A	Lab Control Sample Dup	96	99
LCSD 880-33194/2-A	Lab Control Sample Dup	93	97
LCSD 880-33662/2-A	Lab Control Sample Dup	149 S1+	100
MB 880-32250/5-A	Method Blank	77	0.7 S1-
MB 880-32273/5-A	Method Blank	79	93
MB 880-32426/5-A	Method Blank	77	119
MB 880-32444/5-A	Method Blank	78	117
MB 880-32516/5-A	Method Blank	79	119
MB 880-32705/5-B	Method Blank	80	118
MB 880-32994/5-A	Method Blank	78	122
MB 880-33031/5-A	Method Blank	90	85
MB 880-33066/5-A	Method Blank	104	97
MB 880-33069/5-A	Method Blank	78	120
MB 880-33164/5-A	Method Blank	80	114
MB 880-33191/5-A	Method Blank	99	90
MB 880-33192/5-A	Method Blank	79	119
MB 880-33194/5-A	Method Blank	82	113
MB 880-33298/8	Method Blank	105	92
MB 880-33386/5-A	Method Blank	103	94
MB 880-33662/5-A	Method Blank	107	87

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)
880-18047-1	B-12-2'-081122	113	106
880-18047-1 MS	B-12-2'-081122	118	108
880-18047-1 MSD	B-12-2'-081122	117	107
880-18047-2	B-13-2'-081122	120	113
880-18047-3	B-14-2'-081122	114	107
880-18047-4	B-15-2'-081122	110	105
880-18047-5	B-16-2'-081122	127	119
880-18047-6	B-17-2'-081122	119	114
880-18047-7	B-18-2'-081122	121	117
880-18525-1	SW-9-1'-082322	86	86
880-18525-1 MS	SW-9-1'-082322	95	81
880-18525-1 MSD	SW-9-1'-082322	90	78
880-18525-2	SW-5-1'-082322	112	108
880-18525-3	SW-14-1'-082322	103	107
880-18525-4	B-33-3'-082322	96	103
880-18525-5	B-34-3'-082322	87	91
880-18525-6	B-35-3'-082322	109	111
880-18525-7	SW-17-1'-082322	95	98

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 880-18525-1
Project/Site: Hambone Fed 8 CTB 30133377 SDG: Malaga NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-18525-8	SW-18-1'-082322	102	100								
880-18525-9	SW-19-1'-082322	102	108								
890-2741-1	B-1-2'-081022	91	110								
890-2741-2	SW-1-1'-081022	83	105								
890-2741-3	SW-2-1'-081022	87	112								
890-2741-4	SW-3-1'-081022	88	111								
890-2741-5	B-2-2'-081022	87	110								
890-2741-6	SW-4-1'-081122	85	112								
890-2741-7	B-3-2'-081122	87	111								
890-2741-8	B-4-2'-081122	88	113								
890-2741-9	B-5-2'-081122	109	98								
890-2741-10	B-6-2'-081122	104	92								
890-2741-11	B-7-2'081122	128	102								
890-2741-12	B-8-2'-081122	122	108								
890-2741-13	B-9-2'-081122	120	100								
890-2741-14	B-10-2'-081122	126	103								
890-2741-15	B-11-2'-081122	114	96								
890-2741-16	SW-6-1'-081122	119	110								
890-2741-17	SW-7-1'-081122	129	120								
890-2753-1	SW-8- 081522	92	97								
890-2753-2	B-19-2 081522	96	102								
890-2753-3	B-20-2 081522	87	91								
890-2753-4	B-22-2 081522	99	104								
890-2753-5	B-23-2 081522	94	97								
890-2753-6	B-24-2 081522	93	97								
890-2753-7	SW-9-1 081522	83	84								
890-2753-8	SW-10-1 081522	83	85								
890-2753-9	B-21-2 081522	96	101								
890-2764-1	B-25-2 081622	81	84								
890-2764-1 MS	B-25-2 081622	82	72								
890-2764-1 MSD	B-25-2 081622	78	71								
890-2764-2	B--26-2 081622	85	90								
890-2764-3	B-27-2 081622	82	83								
890-2764-4	B-28-2 081622	84	88								
890-2764-5	B-29-2 081622	84	85								
890-2764-6	B-30-2 081622	81	84								
890-2764-7	B-31-2 081622	93	96								
890-2764-8	B-32-2 081622	84	88								
890-2764-9	B-33-2 081622	82	84								
890-2764-10	SW-11-1 081722	84	85								
890-2764-11	B-34-2 081722	82	83								
890-2764-12	B-35-2 081722	80	82								
890-2764-13	B-36-2 081722	85	86								
890-2764-14	B--37-2 081722	87	90								
890-2764-15	B-38-2 081722	88	92								
890-2764-16	SW-12-1 081722	88	93								
890-2764-17	SW-13-1 081722	87	90								
890-2764-18	SW-14-1 081722	86	86								
890-2764-19	SW-15-1 081722	82	82								
890-2764-20	B-39-2 081722	83	86								

Surrogate Summary

Client: ARCADIS U.S., Inc. Job ID: 880-18525-1
Project/Site: Hambone Fed 8 CTB 30133377 SDG: Malaga 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)								
890-2764-21	B-40-2 081722	84	85								
890-2764-22	B-41-2 081722	94	100								
890-2764-23	B-42-2 081722	76	78								
890-2779-1	B-11-3 081722	59 S1-	62 S1-								
890-2779-2	SW-6-2 081722	65 S1-	67 S1-								
890-2779-3	SW-7-2 081722	73	74								
890-2779-4	SW-5-1 081722	56 S1-	57 S1-								
890-2779-5	B-42-2 081722	64 S1-	69 S1-								
890-2779-6	B-43-2 081722	62 S1-	66 S1-								
890-2779-7	Sw-16-1 081722	77	77								
LCS 880-31966/2-A	Lab Control Sample	116	137 S1+								
LCS 880-32054/2-A	Lab Control Sample	105	100								
LCS 880-32109/2-A	Lab Control Sample	129	114								
LCS 880-32206/2-A	Lab Control Sample	105	108								
LCS 880-32608/2-A	Lab Control Sample	72	74								
LCS 880-32732/2-A	Lab Control Sample	111	111								
LCS 880-32774/2-A	Lab Control Sample	575 S1+	577 S1+								
LCS 880-33085/2-A	Lab Control Sample	95	111								
LCS 880-33157/2-A	Lab Control Sample	178 S1+	177 S1+								
LCSD 880-31966/3-A	Lab Control Sample Dup	100	123								
LCSD 880-32054/3-A	Lab Control Sample Dup	117	89								
LCSD 880-32109/3-A	Lab Control Sample Dup	116	113								
LCSD 880-32206/3-A	Lab Control Sample Dup	97	99								
LCSD 880-32608/3-A	Lab Control Sample Dup	86	91								
LCSD 880-32732/3-A	Lab Control Sample Dup	99	98								
LCSD 880-32774/3-A	Lab Control Sample Dup	527 S1+	538 S1+								
LCSD 880-33085/3-A	Lab Control Sample Dup	93	107								
LCSD 880-33157/3-A	Lab Control Sample Dup	189 S1+	185 S1+								
MB 880-31966/1-A	Method Blank	84	115								
MB 880-32054/1-A	Method Blank	114	109								
MB 880-32109/1-A	Method Blank	110	104								
MB 880-32206/1-A	Method Blank	77	81								
MB 880-32608/1-A	Method Blank	63 S1-	68 S1-								
MB 880-32732/1-A	Method Blank	78	80								
MB 880-32774/1-A	Method Blank	94	94								
MB 880-33085/1-A	Method Blank	98	107								
MB 880-33157/1-A	Method Blank	97	108								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 890-2741-1 MSD
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: B-1-2'-081022
Prep Type: Total/NA
Prep Batch: 31966

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-32250/5-A
Matrix: Solid
Analysis Batch: 32252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 11:31	08/16/22 14:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 11:31	08/16/22 14:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 11:31	08/16/22 14:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 11:31	08/16/22 14:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 11:31	08/16/22 14:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 11:31	08/16/22 14:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/16/22 11:31*	*08/16/22 14:01*	*1*
1,4-Difluorobenzene (Surr)	*0.7*	*S1-*	*70 - 130*	*08/16/22 11:31*	*08/16/22 14:01*	*1*

Lab Sample ID: MB 880-32273/5-A
Matrix: Solid
Analysis Batch: 32252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 03:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/22 16:10	08/17/22 03:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/22 16:10	08/17/22 03:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*08/16/22 16:10*	*08/17/22 03:16*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/16/22 16:10*	*08/17/22 03:16*	*1*

Lab Sample ID: LCS 880-32273/1-A
Matrix: Solid
Analysis Batch: 32252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0996	0.09895		mg/Kg		99	70 - 130
Toluene	0.0996	0.09543		mg/Kg		96	70 - 130
Ethylbenzene	0.0996	0.09908		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.199	0.1973		mg/Kg		99	70 - 130
o-Xylene	0.0996	0.09797		mg/Kg		98	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCS 880-32273/1-A
Matrix: Solid
Analysis Batch: 32252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32273

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-32273/2-A
Matrix: Solid
Analysis Batch: 32252

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32273

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0998	0.09959		mg/Kg		100	70 - 130	1	35
Toluene			0.0998	0.09606		mg/Kg		96	70 - 130	1	35
Ethylbenzene			0.0998	0.09774		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1945		mg/Kg		97	70 - 130	1	35
o-Xylene			0.0998	0.09851		mg/Kg		99	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-18047-1 MS
Matrix: Solid
Analysis Batch: 32252

Client Sample ID: B-12-2'-081122
Prep Type: Total/NA
Prep Batch: 32273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08457		mg/Kg		85	70 - 130
Toluene	<0.00200	U	0.100	0.08279		mg/Kg		83	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08320		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1659		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.08146		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-18047-1 MSD
Matrix: Solid
Analysis Batch: 32252

Client Sample ID: B-12-2'-081122
Prep Type: Total/NA
Prep Batch: 32273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130	21	35
Toluene	<0.00200	U	0.100	0.08879		mg/Kg		89	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08877		mg/Kg		89	70 - 130	6	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1760		mg/Kg		88	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.08715		mg/Kg		87	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-32426/5-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/22 12:46	08/18/22 15:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/22 12:46	08/18/22 15:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/22 12:46	08/18/22 15:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/22 12:46	08/18/22 15:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/22 12:46	08/18/22 15:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/22 12:46	08/18/22 15:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/18/22 12:46*	*08/18/22 15:52*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*08/18/22 12:46*	*08/18/22 15:52*	*1*

Lab Sample ID: 890-2741-1 MS
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: B-1-2'-081022
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-32444/5-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/22 15:07	08/19/22 03:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/22 15:07	08/19/22 03:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/22 15:07	08/19/22 03:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/22 15:07	08/19/22 03:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/22 15:07	08/19/22 03:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/22 15:07	08/19/22 03:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/18/22 15:07*	*08/19/22 03:29*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*08/18/22 15:07*	*08/19/22 03:29*	*1*

Lab Sample ID: LCS 880-32444/1-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09113		mg/Kg		91	70 - 130
Toluene	0.100	0.09080		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08427		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1564		mg/Kg		78	70 - 130
o-Xylene	0.100	0.08543		mg/Kg		85	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCS 880-32444/1-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32444

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-32444/2-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32444

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1080		mg/Kg		108	70 - 130	17	35
Toluene			0.100	0.1050		mg/Kg		105	70 - 130	14	35
Ethylbenzene			0.100	0.1003		mg/Kg		100	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.1854		mg/Kg		93	70 - 130	17	35
o-Xylene			0.100	0.1002		mg/Kg		100	70 - 130	16	35

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

Lab Sample ID: MB 880-32516/5-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 15:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 15:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 15:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 15:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/22 13:53	08/19/22 15:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/19/22 13:53	08/19/22 15:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	08/19/22 13:53	08/19/22 15:05	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/19/22 13:53	08/19/22 15:05	1

Lab Sample ID: LCS 880-32516/1-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32516

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09993		mg/Kg		100	70 - 130
Toluene			0.100	0.1121		mg/Kg		112	70 - 130
Ethylbenzene			0.100	0.1132		mg/Kg		113	70 - 130
m-Xylene & p-Xylene			0.200	0.2131		mg/Kg		107	70 - 130
o-Xylene			0.100	0.1118		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCS 880-32516/1-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32516

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

Lab Sample ID: LCSD 880-32516/2-A
Matrix: Solid
Analysis Batch: 32427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32516

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1086		mg/Kg		108	70 - 130	8	35
Toluene			0.100	0.1189		mg/Kg		119	70 - 130	6	35
Ethylbenzene			0.100	0.1198		mg/Kg		120	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2240		mg/Kg		112	70 - 130	5	35
o-Xylene			0.100	0.1177		mg/Kg		117	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-32705/5-B
Matrix: Solid
Analysis Batch: 33040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 01:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 01:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 01:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/22 15:07	08/27/22 01:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:07	08/27/22 01:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/22 15:07	08/27/22 01:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	08/22/22 15:07	08/27/22 01:22	1
1,4-Difluorobenzene (Surr)	118		70 - 130	08/22/22 15:07	08/27/22 01:22	1

Lab Sample ID: LCS 880-32705/1-A
Matrix: Solid
Analysis Batch: 33040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32705

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1018		mg/Kg		102	70 - 130
Toluene			0.100	0.09762		mg/Kg		98	70 - 130
Ethylbenzene			0.100	0.09481		mg/Kg		95	70 - 130
m-Xylene & p-Xylene			0.200	0.1756		mg/Kg		88	70 - 130
o-Xylene			0.100	0.09298		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-32705/2-A
Matrix: Solid
Analysis Batch: 33040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32705

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1022		mg/Kg		102	70 - 130	0	35
Toluene			0.100	0.09976		mg/Kg		100	70 - 130	2	35
Ethylbenzene			0.100	0.09343		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1721		mg/Kg		86	70 - 130	2	35
o-Xylene			0.100	0.09315		mg/Kg		93	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-2753-1 MS
Matrix: Solid
Analysis Batch: 33040

Client Sample ID: SW-8- 081522
Prep Type: Total/NA
Prep Batch: 32705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0998	0.09587		mg/Kg		96	70 - 130
Toluene	<0.00202	U	0.0998	0.09429		mg/Kg		94	70 - 130
Ethylbenzene	<0.00202	U	0.0998	0.08920		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1649		mg/Kg		82	70 - 130
o-Xylene	<0.00202	U F1 F2	0.0998	0.04161	F1	mg/Kg		42	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-2753-1 MSD
Matrix: Solid
Analysis Batch: 33040

Client Sample ID: SW-8- 081522
Prep Type: Total/NA
Prep Batch: 32705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09874		mg/Kg		98	70 - 130	3	35
Toluene	<0.00202	U	0.100	0.1008		mg/Kg		100	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.100	0.09746		mg/Kg		97	70 - 130	9	35
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1797		mg/Kg		89	70 - 130	9	35
o-Xylene	<0.00202	U F1 F2	0.100	0.09432	F2	mg/Kg		94	70 - 130	78	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-32994/5-A
Matrix: Solid
Analysis Batch: 33040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 15:50	08/26/22 13:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 15:50	08/26/22 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 15:50	08/26/22 13:46	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-32994/5-A
Matrix: Solid
Analysis Batch: 33040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 15:50	08/26/22 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 15:50	08/26/22 13:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 15:50	08/26/22 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/25/22 15:50*	*08/26/22 13:46*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*08/25/22 15:50*	*08/26/22 13:46*	*1*

Lab Sample ID: MB 880-33031/5-A
Matrix: Solid
Analysis Batch: 33136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 09:31	08/28/22 16:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 09:31	08/28/22 16:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 09:31	08/28/22 16:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 09:31	08/28/22 16:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 09:31	08/28/22 16:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 09:31	08/28/22 16:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/26/22 09:31*	*08/28/22 16:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/26/22 09:31*	*08/28/22 16:15*	*1*

Lab Sample ID: LCS 880-33031/1-A
Matrix: Solid
Analysis Batch: 33136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1080		mg/Kg		108	70 - 130
Toluene	0.100	0.1135		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1122		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2251		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1262		mg/Kg		126	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-33031/2-A
Matrix: Solid
Analysis Batch: 33136

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33031

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.1147		mg/Kg		115	70 - 130	1	35
Ethylbenzene	0.100	0.1125		mg/Kg		113	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2342		mg/Kg		117	70 - 130	4	35

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-33031/2-A
Matrix: Solid
Analysis Batch: 33136

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33031

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene			0.100	0.1292		mg/Kg		129	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-33066/5-A
Matrix: Solid
Analysis Batch: 33149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:57	08/29/22 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:57	08/29/22 10:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:57	08/29/22 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*08/26/22 13:57*	*08/29/22 10:40*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/26/22 13:57*	*08/29/22 10:40*	*1*

Lab Sample ID: LCS 880-33066/1-A
Matrix: Solid
Analysis Batch: 33149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33066

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09853		mg/Kg		99	70 - 130
Toluene			0.100	0.09518		mg/Kg		95	70 - 130
Ethylbenzene			0.100	0.1064		mg/Kg		106	70 - 130
m-Xylene & p-Xylene			0.200	0.2309		mg/Kg		115	70 - 130
o-Xylene			0.100	0.1327	*+	mg/Kg		133	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-33066/2-A
Matrix: Solid
Analysis Batch: 33149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33066

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08926		mg/Kg		89	70 - 130	10	35
Toluene			0.100	0.08870		mg/Kg		89	70 - 130	7	35
Ethylbenzene			0.100	0.09570		mg/Kg		96	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.2062		mg/Kg		103	70 - 130	11	35
o-Xylene			0.100	0.1188		mg/Kg		119	70 - 130	11	35

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-33066/2-A
Matrix: Solid
Analysis Batch: 33149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33066

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-2764-4 MS
Matrix: Solid
Analysis Batch: 33149

Client Sample ID: B-28-2 081622
Prep Type: Total/NA
Prep Batch: 33066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08168		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.0998	0.07833		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.08599		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1844		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U *+	0.0998	0.1055		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2764-4 MSD
Matrix: Solid
Analysis Batch: 33149

Client Sample ID: B-28-2 081622
Prep Type: Total/NA
Prep Batch: 33066

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08570		mg/Kg		85	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.07939		mg/Kg		79	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.08984		mg/Kg		89	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1878		mg/Kg		94	70 - 130	2	35
o-Xylene	<0.00200	U *+	0.100	0.1073		mg/Kg		107	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-33069/5-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/27/22 14:13	08/29/22 16:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/27/22 14:13	08/29/22 16:12	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-33069/5-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33069

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	120		70 - 130	08/27/22 14:13	08/29/22 16:12	1

Lab Sample ID: MB 880-33164/5-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 09:09	08/30/22 16:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	08/29/22 09:09	08/30/22 16:07	1
1,4-Difluorobenzene (Surr)	114		70 - 130	08/29/22 09:09	08/30/22 16:07	1

Lab Sample ID: MB 880-33191/5-A
Matrix: Solid
Analysis Batch: 33298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 10:39	08/30/22 21:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:39	08/30/22 21:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 10:39	08/30/22 21:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/29/22 10:39	08/30/22 21:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/29/22 10:39	08/30/22 21:13	1

Lab Sample ID: LCS 880-33191/1-A
Matrix: Solid
Analysis Batch: 33298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09002		mg/Kg		90	70 - 130
Toluene	0.100	0.08504		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08647		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1779		mg/Kg		89	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCS 880-33191/1-A
Matrix: Solid
Analysis Batch: 33298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33191

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

Lab Sample ID: LCSD 880-33191/2-A
Matrix: Solid
Analysis Batch: 33298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33191

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08989		mg/Kg		90	70 - 130	0	35
Toluene			0.100	0.08602		mg/Kg		86	70 - 130	1	35
Ethylbenzene			0.100	0.1034		mg/Kg		103	70 - 130	18	35
m-Xylene & p-Xylene			0.200	0.2174		mg/Kg		109	70 - 130	20	35
o-Xylene			0.100	0.1265		mg/Kg		127	70 - 130	20	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-2764-11 MS
Matrix: Solid
Analysis Batch: 33298

Client Sample ID: B-34-2 081722
Prep Type: Total/NA
Prep Batch: 33191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0998	0.09925		mg/Kg		99	70 - 130		
Toluene	<0.00199	U	0.0998	0.09013		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00199	U	0.0998	0.09094		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1848		mg/Kg		93	70 - 130		
o-Xylene	<0.00199	U	0.0998	0.1067		mg/Kg		107	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-2764-11 MSD
Matrix: Solid
Analysis Batch: 33298

Client Sample ID: B-34-2 081722
Prep Type: Total/NA
Prep Batch: 33191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08689		mg/Kg		87	70 - 130	13	35
Toluene	<0.00199	U	0.100	0.08830		mg/Kg		88	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.09731		mg/Kg		97	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2040		mg/Kg		102	70 - 130	10	35
o-Xylene	<0.00199	U	0.100	0.1185		mg/Kg		118	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-33192/5-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 10:54	08/31/22 03:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*08/29/22 10:54*	*08/31/22 03:43*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*08/29/22 10:54*	*08/31/22 03:43*	*1*

Lab Sample ID: LCS 880-33192/1-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1103		mg/Kg		110	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09868		mg/Kg		99	70 - 130

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

Lab Sample ID: LCSD 880-33192/2-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09862		mg/Kg		99	70 - 130	11	35
Toluene	0.100	0.09930		mg/Kg		99	70 - 130	5	35
Ethylbenzene	0.100	0.09893		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1830		mg/Kg		92	70 - 130	2	35
o-Xylene	0.100	0.09822		mg/Kg		98	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-33194/5-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-33194/5-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 11:04	08/30/22 04:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*08/29/22 11:04*	*08/30/22 04:17*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*08/29/22 11:04*	*08/30/22 04:17*	*1*

Lab Sample ID: LCS 880-33194/1-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08735		mg/Kg		87	70 - 130
Toluene	0.100	0.09927		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09705		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09674		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-33194/2-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33194

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08966		mg/Kg		90	70 - 130	3	35
Toluene	0.100	0.09753		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.09727		mg/Kg		97	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1798		mg/Kg		90	70 - 130	1	35
o-Xylene	0.100	0.09677		mg/Kg		97	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-33298/8
Matrix: Solid
Analysis Batch: 33298

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			08/30/22 10:37	1
Toluene	<0.00200	U	0.00200		mg/Kg			08/30/22 10:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			08/30/22 10:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			08/30/22 10:37	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-33298/8
Matrix: Solid
Analysis Batch: 33298

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg			08/30/22 10:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			08/30/22 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*08/30/22 10:37*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*08/30/22 10:37*	*1*

Lab Sample ID: MB 880-33386/5-A
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 16:00	09/04/22 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 16:00	09/04/22 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 16:00	09/04/22 19:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/30/22 16:00	09/04/22 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 16:00	09/04/22 19:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/30/22 16:00	09/04/22 19:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/30/22 16:00*	*09/04/22 19:37*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/30/22 16:00*	*09/04/22 19:37*	*1*

Lab Sample ID: MB 880-33662/5-A
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/22 15:57	09/05/22 06:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:57	09/05/22 06:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/22 15:57	09/05/22 06:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/02/22 15:57*	*09/05/22 06:11*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/02/22 15:57*	*09/05/22 06:11*	*1*

Lab Sample ID: LCS 880-33662/1-A
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09830		mg/Kg		98	70 - 130
Toluene	0.100	0.09610		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2226		mg/Kg		111	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCS 880-33662/1-A
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33662

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1297		mg/Kg		130	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-33662/2-A
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33662

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09155		mg/Kg		92	70 - 130	7	35
Toluene			0.100	0.09623		mg/Kg		96	70 - 130	0	35
Ethylbenzene			0.100	0.1110		mg/Kg		111	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2433		mg/Kg		122	70 - 130	9	35
o-Xylene			0.100	0.1417	*+	mg/Kg		142	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-18525-1 MS
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: SW-9-1'-082322
Prep Type: Total/NA
Prep Batch: 33662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.08364		mg/Kg		84	70 - 130		
Toluene	<0.00200	U	0.0998	0.08690		mg/Kg		87	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.09796		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2107		mg/Kg		106	70 - 130		
o-Xylene	<0.00200	U *+	0.0998	0.1214		mg/Kg		122	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-18525-1 MSD
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: SW-9-1'-082322
Prep Type: Total/NA
Prep Batch: 33662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.08093		mg/Kg		81	70 - 130	3	35
Toluene	<0.00200	U	0.0996	0.08426		mg/Kg		85	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0996	0.09783		mg/Kg		98	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2107		mg/Kg		106	70 - 130	0	35
o-Xylene	<0.00200	U *+	0.0996	0.1208		mg/Kg		121	70 - 130	0	35

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: 880-18525-1 MSD
Matrix: Solid
Analysis Batch: 33695

Client Sample ID: SW-9-1'-082322
Prep Type: Total/NA
Prep Batch: 33662

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-31966/1-A
Matrix: Solid
Analysis Batch: 32042

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/22 09:22	08/12/22 10:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/22 09:22	08/12/22 10:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/22 09:22	08/12/22 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	08/11/22 09:22	08/12/22 10:39	1
o-Terphenyl	115		70 - 130	08/11/22 09:22	08/12/22 10:39	1

Lab Sample ID: LCS 880-31966/2-A
Matrix: Solid
Analysis Batch: 32042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31966

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1194		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1180		mg/Kg		118	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	137	S1+	70 - 130

Lab Sample ID: LCSD 880-31966/3-A
Matrix: Solid
Analysis Batch: 32042

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31966

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	895.6	*1	mg/Kg		90	70 - 130	29	20
Diesel Range Organics (Over C10-C28)			1000	1034		mg/Kg		103	70 - 130	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	123		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-32054/1-A
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 10:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 10:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 08:52	08/12/22 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*08/12/22 08:52*	*08/12/22 10:43*	*1*
o-Terphenyl	*109*		*70 - 130*	*08/12/22 08:52*	*08/12/22 10:43*	*1*

Lab Sample ID: LCS 880-32054/2-A
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32054

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	991.2		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-32054/3-A
Matrix: Solid
Analysis Batch: 32049

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32054

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	947.1		mg/Kg		95	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1045		mg/Kg		105	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: MB 880-32109/1-A
Matrix: Solid
Analysis Batch: 32125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 10:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 10:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/12/22 15:08	08/15/22 10:19	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-32109/1-A
Matrix: Solid
Analysis Batch: 32125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32109

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	08/12/22 15:08	08/15/22 10:19	1
o-Terphenyl	104		70 - 130	08/12/22 15:08	08/15/22 10:19	1

Lab Sample ID: LCS 880-32109/2-A
Matrix: Solid
Analysis Batch: 32125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32109

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	828.5		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1087		mg/Kg		109	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-32109/3-A
Matrix: Solid
Analysis Batch: 32125

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32109

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	587.8	*- *1	mg/Kg		59	70 - 130	34	20
Diesel Range Organics (Over C10-C28)			1000	1080		mg/Kg		108	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-18047-1 MS
Matrix: Solid
Analysis Batch: 32125

Client Sample ID: B-12-2'-081122
Prep Type: Total/NA
Prep Batch: 32109

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	999	717.9		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	1298		mg/Kg		130	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	108		70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: 880-18047-1 MSD — **Client Sample ID: B-12-2'-081122**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32125 — **Prep Batch: 32109**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	999	722.0		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	1305	F1	mg/Kg		131	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: MB 880-32206/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32197 — **Prep Batch: 32206**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 10:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 10:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/16/22 09:10	08/16/22 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*08/16/22 09:10*	*08/16/22 10:20*	*1*
o-Terphenyl	*81*		*70 - 130*	*08/16/22 09:10*	*08/16/22 10:20*	*1*

Lab Sample ID: LCS 880-32206/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32197 — **Prep Batch: 32206**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1011		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	923.3		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: LCSD 880-32206/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32197 — **Prep Batch: 32206**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	908.1		mg/Kg		91	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	858.8		mg/Kg		86	70 - 130	7	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-32206/3-A
Matrix: Solid
Analysis Batch: 32197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32206

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: MB 880-32608/1-A
Matrix: Solid
Analysis Batch: 32586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 11:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 11:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/22 09:31	08/22/22 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*63*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 11:08*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*08/22/22 09:31*	*08/22/22 11:08*	*1*

Lab Sample ID: LCS 880-32608/2-A
Matrix: Solid
Analysis Batch: 32586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	708.2		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	1000	764.5		mg/Kg		76	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*72*		*70 - 130*
o-Terphenyl	*74*		*70 - 130*

Lab Sample ID: LCSD 880-32608/3-A
Matrix: Solid
Analysis Batch: 32586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32608

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	744.7		mg/Kg		74	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	846.7		mg/Kg		85	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-32732/1-A
Matrix: Solid
Analysis Batch: 32719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 11:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 11:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 09:00	08/23/22 11:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*08/23/22 09:00*	*08/23/22 11:04*	*1*
o-Terphenyl	*80*		*70 - 130*	*08/23/22 09:00*	*08/23/22 11:04*	*1*

Lab Sample ID: LCS 880-32732/2-A
Matrix: Solid
Analysis Batch: 32719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32732

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	932.9		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	967.6		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-32732/3-A
Matrix: Solid
Analysis Batch: 32719

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32732

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	911.0		mg/Kg		91	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-2764-1 MS
Matrix: Solid
Analysis Batch: 32719

Client Sample ID: B-25-2 081622
Prep Type: Total/NA
Prep Batch: 32732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	911.9		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	708.3		mg/Kg		71	70 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: 890-2764-1 MS
Matrix: Solid
Analysis Batch: 32719

Client Sample ID: B-25-2 081622
Prep Type: Total/NA
Prep Batch: 32732

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*72*		*70 - 130*

Lab Sample ID: 890-2764-1 MSD
Matrix: Solid
Analysis Batch: 32719

Client Sample ID: B-25-2 081622
Prep Type: Total/NA
Prep Batch: 32732

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	854.6		mg/Kg		86	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	678.3	F1	mg/Kg		68	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Lab Sample ID: MB 880-32774/1-A
Matrix: Solid
Analysis Batch: 32808

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 16:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 16:17	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/23/22 10:46	08/24/22 16:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/23/22 10:46*	*08/24/22 16:17*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/23/22 10:46*	*08/24/22 16:17*	*1*

Lab Sample ID: LCS 880-32774/2-A
Matrix: Solid
Analysis Batch: 32808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32774

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1065		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1056		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*575*	*S1+*	*70 - 130*
o-Terphenyl	*577*	*S1+*	*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-32774/3-A
Matrix: Solid
Analysis Batch: 32808

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32774

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1046		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	982.3		mg/Kg		98	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*527*	*S1+*	*70 - 130*
o-Terphenyl	*538*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-33085/1-A
Matrix: Solid
Analysis Batch: 33129

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 15:45	08/28/22 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 15:45	08/28/22 17:32	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 15:45	08/28/22 17:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*08/26/22 15:45*	*08/28/22 17:32*	*1*
o-Terphenyl	*107*		*70 - 130*	*08/26/22 15:45*	*08/28/22 17:32*	*1*

Lab Sample ID: LCS 880-33085/2-A
Matrix: Solid
Analysis Batch: 33129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33085

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	948.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	903.2		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-33085/3-A
Matrix: Solid
Analysis Batch: 33129

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33085

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	982.2		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	933.2		mg/Kg		93	70 - 130	3	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-33085/3-A
Matrix: Solid
Analysis Batch: 33129

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33085

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: MB 880-33157/1-A
Matrix: Solid
Analysis Batch: 33143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/29/22 08:34	08/29/22 10:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/29/22 08:34	08/29/22 10:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/29/22 08:34	08/29/22 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*08/29/22 08:34*	*08/29/22 10:47*	*1*
o-Terphenyl	*108*		*70 - 130*	*08/29/22 08:34*	*08/29/22 10:47*	*1*

Lab Sample ID: LCS 880-33157/2-A
Matrix: Solid
Analysis Batch: 33143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33157

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1063		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1076		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*178*	*S1+*	*70 - 130*
o-Terphenyl	*177*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-33157/3-A
Matrix: Solid
Analysis Batch: 33143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33157

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	801.1	*1	mg/Kg		80	70 - 130	28	20
Diesel Range Organics (Over C10-C28)			1000	1131		mg/Kg		113	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*189*	*S1+*	*70 - 130*
o-Terphenyl	*185*	*S1+*	*70 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

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

Lab Sample ID: 880-18525-1 MS
Matrix: Solid
Analysis Batch: 33143

Client Sample ID: SW-9-1'-082322
Prep Type: Total/NA
Prep Batch: 33157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	696.8		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1049		mg/Kg		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-18525-1 MSD
Matrix: Solid
Analysis Batch: 33143

Client Sample ID: SW-9-1'-082322
Prep Type: Total/NA
Prep Batch: 33157

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	998	703.7		mg/Kg		71	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	993.7		mg/Kg		100	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-32129/1-A
Matrix: Solid
Analysis Batch: 32159

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/15/22 10:54	1

Lab Sample ID: LCS 880-32129/2-A
Matrix: Solid
Analysis Batch: 32159

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.0		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-32129/3-A
Matrix: Solid
Analysis Batch: 32159

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	251	232.3		mg/Kg		93	90 - 110	1	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2741-9 MS — **Client Sample ID: B-5-2'-081122**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11.6		251	258.4		mg/Kg		98	90 - 110

Lab Sample ID: 890-2741-9 MSD — **Client Sample ID: B-5-2'-081122**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.6		251	258.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-32133/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/17/22 08:06	1

Lab Sample ID: LCS 880-32133/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-32133/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-18047-2 MS — **Client Sample ID: B-13-2'-081122**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32172

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	260		251	524.6		mg/Kg		106	90 - 110

Lab Sample ID: 880-18047-2 MSD — **Client Sample ID: B-13-2'-081122**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32172

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	260		251	524.4		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-32192/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			08/16/22 13:19	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-32192/2-A
Matrix: Solid
Analysis Batch: 32257

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			249	250.6		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-32192/3-A
Matrix: Solid
Analysis Batch: 32257

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	240.3		mg/Kg		96	90 - 110	4	20

Lab Sample ID: 890-2753-5 MS
Matrix: Solid
Analysis Batch: 32257

Client Sample ID: B-23-2 081522
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	390		250	657.5		mg/Kg		107	90 - 110		

Lab Sample ID: 890-2753-5 MSD
Matrix: Solid
Analysis Batch: 32257

Client Sample ID: B-23-2 081522
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	390		251	637.0		mg/Kg		99	90 - 110	3	20

Lab Sample ID: MB 880-32414/1-A
Matrix: Solid
Analysis Batch: 32509

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/19/22 13:04	1

Lab Sample ID: LCS 880-32414/2-A
Matrix: Solid
Analysis Batch: 32509

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.3		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-32414/3-A
Matrix: Solid
Analysis Batch: 32509

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	237.8		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-32421/1-A
Matrix: Solid
Analysis Batch: 32603

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/19/22 18:49	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-32421/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-32421/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32603

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	242.2		mg/Kg		97	90 - 110	2	20

Lab Sample ID: MB 880-32510/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/22/22 11:34	1

Lab Sample ID: LCS 880-32510/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.3		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-32510/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32655

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	227.2		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 890-2779-1 MS — **Client Sample ID: B-11-3 081722**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210		252	448.8		mg/Kg		95	90 - 110

Lab Sample ID: 890-2779-1 MSD — **Client Sample ID: B-11-3 081722**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 32655

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210		252	450.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-32932/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/26/22 09:44	1

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-32932/2-A
Matrix: Solid
Analysis Batch: 33095

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	236.1		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-32932/3-A
Matrix: Solid
Analysis Batch: 33095

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	232.8		mg/Kg		93	90 - 110	1	20

Lab Sample ID: MB 880-33078/1-A
Matrix: Solid
Analysis Batch: 33397

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/31/22 12:27	1

Lab Sample ID: LCS 880-33078/2-A
Matrix: Solid
Analysis Batch: 33397

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.2		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-33078/3-A
Matrix: Solid
Analysis Batch: 33397

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.5		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA

Prep Batch: 31966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1 MSD	B-1-2'-081022	Total/NA	Solid	8015NM Prep	

Prep Batch: 32103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Total/NA	Solid	5035	
890-2741-2	SW-1-1'-081022	Total/NA	Solid	5035	
890-2741-3	SW-2-1'-081022	Total/NA	Solid	5035	
890-2741-4	SW-3-1'-081022	Total/NA	Solid	5035	
890-2741-5	B-2-2'-081022	Total/NA	Solid	5035	
890-2741-6	SW-4-1'-081122	Total/NA	Solid	5035	

Prep Batch: 32110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-7	B-3-2'-081122	Total/NA	Solid	5035	
890-2741-8	B-4-2'-081122	Total/NA	Solid	5035	
890-2741-9	B-5-2'-081122	Total/NA	Solid	5035	
890-2741-10	B-6-2'-081122	Total/NA	Solid	5035	
890-2741-11	B-7-2'081122	Total/NA	Solid	5035	
890-2741-12	B-8-2'-081122	Total/NA	Solid	5035	
890-2741-13	B-9-2'-081122	Total/NA	Solid	5035	
890-2741-14	B-10-2'-081122	Total/NA	Solid	5035	

Prep Batch: 32250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-32250/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 32252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Total/NA	Solid	8021B	32273
880-18047-2	B-13-2'-081122	Total/NA	Solid	8021B	32273
880-18047-3	B-14-2'-081122	Total/NA	Solid	8021B	32273
880-18047-4	B-15-2'-081122	Total/NA	Solid	8021B	32273
880-18047-5	B-16-2'-081122	Total/NA	Solid	8021B	32273
880-18047-6	B-17-2'-081122	Total/NA	Solid	8021B	32273
880-18047-7	B-18-2'-081122	Total/NA	Solid	8021B	32273
MB 880-32250/5-A	Method Blank	Total/NA	Solid	8021B	32250
MB 880-32273/5-A	Method Blank	Total/NA	Solid	8021B	32273
LCS 880-32273/1-A	Lab Control Sample	Total/NA	Solid	8021B	32273
LCSD 880-32273/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32273
880-18047-1 MS	B-12-2'-081122	Total/NA	Solid	8021B	32273
880-18047-1 MSD	B-12-2'-081122	Total/NA	Solid	8021B	32273

Prep Batch: 32273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Total/NA	Solid	5035	
880-18047-2	B-13-2'-081122	Total/NA	Solid	5035	
880-18047-3	B-14-2'-081122	Total/NA	Solid	5035	
880-18047-4	B-15-2'-081122	Total/NA	Solid	5035	
880-18047-5	B-16-2'-081122	Total/NA	Solid	5035	
880-18047-6	B-17-2'-081122	Total/NA	Solid	5035	
880-18047-7	B-18-2'-081122	Total/NA	Solid	5035	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA (Continued)

Prep Batch: 32273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-32273/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32273/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32273/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18047-1 MS	B-12-2'-081122	Total/NA	Solid	5035	
880-18047-1 MSD	B-12-2'-081122	Total/NA	Solid	5035	

Analysis Batch: 32299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Total/NA	Solid	Total BTEX	
880-18047-2	B-13-2'-081122	Total/NA	Solid	Total BTEX	
880-18047-3	B-14-2'-081122	Total/NA	Solid	Total BTEX	
880-18047-4	B-15-2'-081122	Total/NA	Solid	Total BTEX	
880-18047-5	B-16-2'-081122	Total/NA	Solid	Total BTEX	
880-18047-6	B-17-2'-081122	Total/NA	Solid	Total BTEX	
880-18047-7	B-18-2'-081122	Total/NA	Solid	Total BTEX	

Prep Batch: 32426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-32426/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 32427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Total/NA	Solid	8021B	32103
890-2741-2	SW-1-1'-081022	Total/NA	Solid	8021B	32103
890-2741-3	SW-2-1'-081022	Total/NA	Solid	8021B	32103
890-2741-4	SW-3-1'-081022	Total/NA	Solid	8021B	32103
890-2741-5	B-2-2'-081022	Total/NA	Solid	8021B	32103
890-2741-6	SW-4-1'-081122	Total/NA	Solid	8021B	32103
890-2741-7	B-3-2'-081122	Total/NA	Solid	8021B	32110
890-2741-8	B-4-2'-081122	Total/NA	Solid	8021B	32110
890-2741-9	B-5-2'-081122	Total/NA	Solid	8021B	32110
890-2741-10	B-6-2'-081122	Total/NA	Solid	8021B	32110
890-2741-11	B-7-2'081122	Total/NA	Solid	8021B	32110
890-2741-12	B-8-2'-081122	Total/NA	Solid	8021B	32110
890-2741-13	B-9-2'-081122	Total/NA	Solid	8021B	32110
890-2741-14	B-10-2'-081122	Total/NA	Solid	8021B	32110
890-2741-15	B-11-2'-081122	Total/NA	Solid	8021B	32516
890-2741-16	SW-6-1'-081122	Total/NA	Solid	8021B	32516
890-2741-17	SW-7-1'-081122	Total/NA	Solid	8021B	32516
MB 880-32426/5-A	Method Blank	Total/NA	Solid	8021B	32426
MB 880-32444/5-A	Method Blank	Total/NA	Solid	8021B	32444
MB 880-32516/5-A	Method Blank	Total/NA	Solid	8021B	32516
LCS 880-32444/1-A	Lab Control Sample	Total/NA	Solid	8021B	32444
LCS 880-32516/1-A	Lab Control Sample	Total/NA	Solid	8021B	32516
LCSD 880-32444/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32444
LCSD 880-32516/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32516
890-2741-1 MS	B-1-2'-081022	Total/NA	Solid	8021B	
890-2741-1 MSD	B-1-2'-081022	Total/NA	Solid	8021B	31966

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA

Prep Batch: 32444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-32444/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32444/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32444/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 32515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Total/NA	Solid	Total BTEX	
890-2741-2	SW-1-1'-081022	Total/NA	Solid	Total BTEX	
890-2741-3	SW-2-1'-081022	Total/NA	Solid	Total BTEX	
890-2741-4	SW-3-1'-081022	Total/NA	Solid	Total BTEX	
890-2741-5	B-2-2'-081022	Total/NA	Solid	Total BTEX	
890-2741-6	SW-4-1'-081122	Total/NA	Solid	Total BTEX	
890-2741-7	B-3-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-8	B-4-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-9	B-5-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-10	B-6-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-11	B-7-2'081122	Total/NA	Solid	Total BTEX	
890-2741-12	B-8-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-13	B-9-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-14	B-10-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-15	B-11-2'-081122	Total/NA	Solid	Total BTEX	
890-2741-16	SW-6-1'-081122	Total/NA	Solid	Total BTEX	
890-2741-17	SW-7-1'-081122	Total/NA	Solid	Total BTEX	

Prep Batch: 32516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-15	B-11-2'-081122	Total/NA	Solid	5035	
890-2741-16	SW-6-1'-081122	Total/NA	Solid	5035	
890-2741-17	SW-7-1'-081122	Total/NA	Solid	5035	
MB 880-32516/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32516/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32516/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 32705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Total/NA	Solid	5035	
890-2753-2	B-19-2 081522	Total/NA	Solid	5035	
890-2753-3	B-20-2 081522	Total/NA	Solid	5035	
890-2753-4	B-22-2 081522	Total/NA	Solid	5035	
890-2753-5	B-23-2 081522	Total/NA	Solid	5035	
890-2753-6	B-24-2 081522	Total/NA	Solid	5035	
890-2753-7	SW-9-1 081522	Total/NA	Solid	5035	
890-2753-8	SW-10-1 081522	Total/NA	Solid	5035	
890-2753-9	B-21-2 081522	Total/NA	Solid	5035	
MB 880-32705/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-32705/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32705/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2753-1 MS	SW-8- 081522	Total/NA	Solid	5035	
890-2753-1 MSD	SW-8- 081522	Total/NA	Solid	5035	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA

Prep Batch: 32994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-32994/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 33031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Total/NA	Solid	5035	
890-2764-2	B--26-2 081622	Total/NA	Solid	5035	
890-2764-3	B-27-2 081622	Total/NA	Solid	5035	
MB 880-33031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 33040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Total/NA	Solid	8021B	32705
890-2753-2	B-19-2 081522	Total/NA	Solid	8021B	32705
890-2753-3	B-20-2 081522	Total/NA	Solid	8021B	32705
890-2753-4	B-22-2 081522	Total/NA	Solid	8021B	32705
890-2753-5	B-23-2 081522	Total/NA	Solid	8021B	32705
890-2753-6	B-24-2 081522	Total/NA	Solid	8021B	32705
890-2753-7	SW-9-1 081522	Total/NA	Solid	8021B	32705
890-2753-8	SW-10-1 081522	Total/NA	Solid	8021B	32705
890-2753-9	B-21-2 081522	Total/NA	Solid	8021B	32705
MB 880-32705/5-B	Method Blank	Total/NA	Solid	8021B	32705
MB 880-32994/5-A	Method Blank	Total/NA	Solid	8021B	32994
LCS 880-32705/1-A	Lab Control Sample	Total/NA	Solid	8021B	32705
LCSD 880-32705/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32705
890-2753-1 MS	SW-8- 081522	Total/NA	Solid	8021B	32705
890-2753-1 MSD	SW-8- 081522	Total/NA	Solid	8021B	32705

Prep Batch: 33066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-4	B-28-2 081622	Total/NA	Solid	5035	
890-2764-5	B-29-2 081622	Total/NA	Solid	5035	
890-2764-6	B-30-2 081622	Total/NA	Solid	5035	
890-2764-7	B-31-2 081622	Total/NA	Solid	5035	
890-2764-8	B-32-2 081622	Total/NA	Solid	5035	
890-2764-9	B-33-2 081622	Total/NA	Solid	5035	
890-2764-10	SW-11-1 081722	Total/NA	Solid	5035	
MB 880-33066/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33066/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33066/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2764-4 MS	B-28-2 081622	Total/NA	Solid	5035	
890-2764-4 MSD	B-28-2 081622	Total/NA	Solid	5035	

Prep Batch: 33069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33069/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 33136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Total/NA	Solid	8021B	33031

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA (Continued)

Analysis Batch: 33136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-2	B--26-2 081622	Total/NA	Solid	8021B	33031
890-2764-3	B-27-2 081622	Total/NA	Solid	8021B	33031
MB 880-33031/5-A	Method Blank	Total/NA	Solid	8021B	33031
LCS 880-33031/1-A	Lab Control Sample	Total/NA	Solid	8021B	33031
LCSD 880-33031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33031

Analysis Batch: 33149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-4	B-28-2 081622	Total/NA	Solid	8021B	33066
890-2764-5	B-29-2 081622	Total/NA	Solid	8021B	33066
890-2764-6	B-30-2 081622	Total/NA	Solid	8021B	33066
890-2764-7	B-31-2 081622	Total/NA	Solid	8021B	33066
890-2764-8	B-32-2 081622	Total/NA	Solid	8021B	33066
890-2764-9	B-33-2 081622	Total/NA	Solid	8021B	33066
890-2764-10	SW-11-1 081722	Total/NA	Solid	8021B	33066
MB 880-33066/5-A	Method Blank	Total/NA	Solid	8021B	33066
LCS 880-33066/1-A	Lab Control Sample	Total/NA	Solid	8021B	33066
LCSD 880-33066/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33066
890-2764-4 MS	B-28-2 081622	Total/NA	Solid	8021B	33066
890-2764-4 MSD	B-28-2 081622	Total/NA	Solid	8021B	33066

Analysis Batch: 33162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Total/NA	Solid	8021B	33194
890-2779-2	SW-6-2 081722	Total/NA	Solid	8021B	33194
890-2779-3	SW-7-2 081722	Total/NA	Solid	8021B	33194
MB 880-33069/5-A	Method Blank	Total/NA	Solid	8021B	33069
MB 880-33194/5-A	Method Blank	Total/NA	Solid	8021B	33194
LCS 880-33194/1-A	Lab Control Sample	Total/NA	Solid	8021B	33194
LCSD 880-33194/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33194

Prep Batch: 33164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33164/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 33191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-11	B-34-2 081722	Total/NA	Solid	5035	
890-2764-12	B-35-2 081722	Total/NA	Solid	5035	
890-2764-13	B-36-2 081722	Total/NA	Solid	5035	
890-2764-14	B--37-2 081722	Total/NA	Solid	5035	
890-2764-15	B-38-2 081722	Total/NA	Solid	5035	
890-2764-16	SW-12-1 081722	Total/NA	Solid	5035	
890-2764-17	SW-13-1 081722	Total/NA	Solid	5035	
890-2764-18	SW-14-1 081722	Total/NA	Solid	5035	
890-2764-19	SW-15-1 081722	Total/NA	Solid	5035	
890-2764-20	B-39-2 081722	Total/NA	Solid	5035	
890-2764-21	B-40-2 081722	Total/NA	Solid	5035	
890-2764-22	B-41-2 081722	Total/NA	Solid	5035	
890-2764-23	B-42-2 081722	Total/NA	Solid	5035	
MB 880-33191/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA (Continued)

Prep Batch: 33191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-33191/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33191/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2764-11 MS	B-34-2 081722	Total/NA	Solid	5035	
890-2764-11 MSD	B-34-2 081722	Total/NA	Solid	5035	

Prep Batch: 33192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-4	SW-5-1 081722	Total/NA	Solid	5035	
890-2779-5	B-42-2 081722	Total/NA	Solid	5035	
890-2779-6	B-43-2 081722	Total/NA	Solid	5035	
890-2779-7	Sw-16-1 081722	Total/NA	Solid	5035	
MB 880-33192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 33194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Total/NA	Solid	5035	
890-2779-2	SW-6-2 081722	Total/NA	Solid	5035	
890-2779-3	SW-7-2 081722	Total/NA	Solid	5035	
MB 880-33194/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33194/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33194/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 33219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Total/NA	Solid	Total BTEX	
890-2753-2	B-19-2 081522	Total/NA	Solid	Total BTEX	
890-2753-3	B-20-2 081522	Total/NA	Solid	Total BTEX	
890-2753-4	B-22-2 081522	Total/NA	Solid	Total BTEX	
890-2753-5	B-23-2 081522	Total/NA	Solid	Total BTEX	
890-2753-6	B-24-2 081522	Total/NA	Solid	Total BTEX	
890-2753-7	SW-9-1 081522	Total/NA	Solid	Total BTEX	
890-2753-8	SW-10-1 081522	Total/NA	Solid	Total BTEX	
890-2753-9	B-21-2 081522	Total/NA	Solid	Total BTEX	

Analysis Batch: 33267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Total/NA	Solid	Total BTEX	
890-2764-2	B--26-2 081622	Total/NA	Solid	Total BTEX	
890-2764-3	B-27-2 081622	Total/NA	Solid	Total BTEX	
890-2764-4	B-28-2 081622	Total/NA	Solid	Total BTEX	
890-2764-5	B-29-2 081622	Total/NA	Solid	Total BTEX	
890-2764-6	B-30-2 081622	Total/NA	Solid	Total BTEX	
890-2764-7	B-31-2 081622	Total/NA	Solid	Total BTEX	
890-2764-8	B-32-2 081622	Total/NA	Solid	Total BTEX	
890-2764-9	B-33-2 081622	Total/NA	Solid	Total BTEX	
890-2764-10	SW-11-1 081722	Total/NA	Solid	Total BTEX	
890-2764-11	B-34-2 081722	Total/NA	Solid	Total BTEX	
890-2764-12	B-35-2 081722	Total/NA	Solid	Total BTEX	
890-2764-13	B-36-2 081722	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA (Continued)

Analysis Batch: 33267 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-14	B--37-2 081722	Total/NA	Solid	Total BTEX	
890-2764-15	B-38-2 081722	Total/NA	Solid	Total BTEX	
890-2764-16	SW-12-1 081722	Total/NA	Solid	Total BTEX	
890-2764-17	SW-13-1 081722	Total/NA	Solid	Total BTEX	
890-2764-18	SW-14-1 081722	Total/NA	Solid	Total BTEX	
890-2764-19	SW-15-1 081722	Total/NA	Solid	Total BTEX	
890-2764-20	B-39-2 081722	Total/NA	Solid	Total BTEX	
890-2764-21	B-40-2 081722	Total/NA	Solid	Total BTEX	
890-2764-22	B-41-2 081722	Total/NA	Solid	Total BTEX	
890-2764-23	B-42-2 081722	Total/NA	Solid	Total BTEX	

Analysis Batch: 33298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-11	B-34-2 081722	Total/NA	Solid	8021B	33191
890-2764-12	B-35-2 081722	Total/NA	Solid	8021B	33191
890-2764-13	B-36-2 081722	Total/NA	Solid	8021B	33191
890-2764-14	B--37-2 081722	Total/NA	Solid	8021B	33191
890-2764-15	B-38-2 081722	Total/NA	Solid	8021B	33191
890-2764-16	SW-12-1 081722	Total/NA	Solid	8021B	33191
890-2764-17	SW-13-1 081722	Total/NA	Solid	8021B	33191
890-2764-18	SW-14-1 081722	Total/NA	Solid	8021B	33191
890-2764-19	SW-15-1 081722	Total/NA	Solid	8021B	33191
890-2764-20	B-39-2 081722	Total/NA	Solid	8021B	33191
890-2764-21	B-40-2 081722	Total/NA	Solid	8021B	33191
890-2764-22	B-41-2 081722	Total/NA	Solid	8021B	33191
890-2764-23	B-42-2 081722	Total/NA	Solid	8021B	33191
MB 880-33191/5-A	Method Blank	Total/NA	Solid	8021B	33191
MB 880-33298/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-33191/1-A	Lab Control Sample	Total/NA	Solid	8021B	33191
LCSD 880-33191/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33191
890-2764-11 MS	B-34-2 081722	Total/NA	Solid	8021B	33191
890-2764-11 MSD	B-34-2 081722	Total/NA	Solid	8021B	33191

Analysis Batch: 33337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Total/NA	Solid	Total BTEX	
890-2779-2	SW-6-2 081722	Total/NA	Solid	Total BTEX	
890-2779-3	SW-7-2 081722	Total/NA	Solid	Total BTEX	
890-2779-4	SW-5-1 081722	Total/NA	Solid	Total BTEX	
890-2779-5	B-42-2 081722	Total/NA	Solid	Total BTEX	
890-2779-6	B-43-2 081722	Total/NA	Solid	Total BTEX	
890-2779-7	Sw-16-1 081722	Total/NA	Solid	Total BTEX	

Analysis Batch: 33341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-4	SW-5-1 081722	Total/NA	Solid	8021B	33192
890-2779-5	B-42-2 081722	Total/NA	Solid	8021B	33192
890-2779-6	B-43-2 081722	Total/NA	Solid	8021B	33192
890-2779-7	Sw-16-1 081722	Total/NA	Solid	8021B	33192
MB 880-33164/5-A	Method Blank	Total/NA	Solid	8021B	33164
MB 880-33192/5-A	Method Blank	Total/NA	Solid	8021B	33192

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA (Continued)

Analysis Batch: 33341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-33192/1-A	Lab Control Sample	Total/NA	Solid	8021B	33192
LCSD 880-33192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33192

Prep Batch: 33386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33386/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 33662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Total/NA	Solid	5035	
880-18525-2	SW-5-1'-082322	Total/NA	Solid	5035	
880-18525-3	SW-14-1'-082322	Total/NA	Solid	5035	
880-18525-4	B-33-3'-082322	Total/NA	Solid	5035	
880-18525-5	B-34-3'-082322	Total/NA	Solid	5035	
880-18525-6	B-35-3'-082322	Total/NA	Solid	5035	
880-18525-7	SW-17-1'-082322	Total/NA	Solid	5035	
880-18525-8	SW-18-1'-082322	Total/NA	Solid	5035	
880-18525-9	SW-19-1'-082322	Total/NA	Solid	5035	
MB 880-33662/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33662/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33662/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18525-1 MS	SW-9-1'-082322	Total/NA	Solid	5035	
880-18525-1 MSD	SW-9-1'-082322	Total/NA	Solid	5035	

Analysis Batch: 33695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Total/NA	Solid	8021B	33662
880-18525-2	SW-5-1'-082322	Total/NA	Solid	8021B	33662
880-18525-3	SW-14-1'-082322	Total/NA	Solid	8021B	33662
880-18525-4	B-33-3'-082322	Total/NA	Solid	8021B	33662
880-18525-5	B-34-3'-082322	Total/NA	Solid	8021B	33662
880-18525-6	B-35-3'-082322	Total/NA	Solid	8021B	33662
880-18525-7	SW-17-1'-082322	Total/NA	Solid	8021B	33662
880-18525-8	SW-18-1'-082322	Total/NA	Solid	8021B	33662
880-18525-9	SW-19-1'-082322	Total/NA	Solid	8021B	33662
MB 880-33386/5-A	Method Blank	Total/NA	Solid	8021B	33386
MB 880-33662/5-A	Method Blank	Total/NA	Solid	8021B	33662
LCS 880-33662/1-A	Lab Control Sample	Total/NA	Solid	8021B	33662
LCSD 880-33662/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33662
880-18525-1 MS	SW-9-1'-082322	Total/NA	Solid	8021B	33662
880-18525-1 MSD	SW-9-1'-082322	Total/NA	Solid	8021B	33662

Analysis Batch: 33738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Total/NA	Solid	Total BTEX	
880-18525-2	SW-5-1'-082322	Total/NA	Solid	Total BTEX	
880-18525-3	SW-14-1'-082322	Total/NA	Solid	Total BTEX	
880-18525-4	B-33-3'-082322	Total/NA	Solid	Total BTEX	
880-18525-5	B-34-3'-082322	Total/NA	Solid	Total BTEX	
880-18525-6	B-35-3'-082322	Total/NA	Solid	Total BTEX	
880-18525-7	SW-17-1'-082322	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC VOA (Continued)

Analysis Batch: 33738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-8	SW-18-1'-082322	Total/NA	Solid	Total BTEX	
880-18525-9	SW-19-1'-082322	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 31966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Total/NA	Solid	8015NM Prep	
890-2741-2	SW-1-1'-081022	Total/NA	Solid	8015NM Prep	
890-2741-3	SW-2-1'-081022	Total/NA	Solid	8015NM Prep	
890-2741-4	SW-3-1'-081022	Total/NA	Solid	8015NM Prep	
890-2741-5	B-2-2'-081022	Total/NA	Solid	8015NM Prep	
890-2741-6	SW-4-1'-081122	Total/NA	Solid	8015NM Prep	
890-2741-7	B-3-2'-081122	Total/NA	Solid	8015NM Prep	
890-2741-8	B-4-2'-081122	Total/NA	Solid	8015NM Prep	
MB 880-31966/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31966/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31966/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 32042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Total/NA	Solid	8015B NM	31966
890-2741-2	SW-1-1'-081022	Total/NA	Solid	8015B NM	31966
890-2741-3	SW-2-1'-081022	Total/NA	Solid	8015B NM	31966
890-2741-4	SW-3-1'-081022	Total/NA	Solid	8015B NM	31966
890-2741-5	B-2-2'-081022	Total/NA	Solid	8015B NM	31966
890-2741-6	SW-4-1'-081122	Total/NA	Solid	8015B NM	31966
890-2741-7	B-3-2'-081122	Total/NA	Solid	8015B NM	31966
890-2741-8	B-4-2'-081122	Total/NA	Solid	8015B NM	31966
MB 880-31966/1-A	Method Blank	Total/NA	Solid	8015B NM	31966
LCS 880-31966/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31966
LCSD 880-31966/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31966

Analysis Batch: 32049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-9	B-5-2'-081122	Total/NA	Solid	8015B NM	32054
890-2741-10	B-6-2'-081122	Total/NA	Solid	8015B NM	32054
890-2741-11	B-7-2'081122	Total/NA	Solid	8015B NM	32054
890-2741-12	B-8-2'-081122	Total/NA	Solid	8015B NM	32054
890-2741-13	B-9-2'-081122	Total/NA	Solid	8015B NM	32054
890-2741-14	B-10-2'-081122	Total/NA	Solid	8015B NM	32054
890-2741-15	B-11-2'-081122	Total/NA	Solid	8015B NM	32054
890-2741-16	SW-6-1'-081122	Total/NA	Solid	8015B NM	32054
890-2741-17	SW-7-1'-081122	Total/NA	Solid	8015B NM	32054
MB 880-32054/1-A	Method Blank	Total/NA	Solid	8015B NM	32054
LCS 880-32054/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32054
LCSD 880-32054/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32054

Prep Batch: 32054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-9	B-5-2'-081122	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC Semi VOA (Continued)

Prep Batch: 32054 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-10	B-6-2'-081122	Total/NA	Solid	8015NM Prep	
890-2741-11	B-7-2'081122	Total/NA	Solid	8015NM Prep	
890-2741-12	B-8-2'-081122	Total/NA	Solid	8015NM Prep	
890-2741-13	B-9-2'-081122	Total/NA	Solid	8015NM Prep	
890-2741-14	B-10-2'-081122	Total/NA	Solid	8015NM Prep	
890-2741-15	B-11-2'-081122	Total/NA	Solid	8015NM Prep	
890-2741-16	SW-6-1'-081122	Total/NA	Solid	8015NM Prep	
890-2741-17	SW-7-1'-081122	Total/NA	Solid	8015NM Prep	
MB 880-32054/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32054/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32054/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 32109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Total/NA	Solid	8015NM Prep	
880-18047-2	B-13-2'-081122	Total/NA	Solid	8015NM Prep	
880-18047-3	B-14-2'-081122	Total/NA	Solid	8015NM Prep	
880-18047-4	B-15-2'-081122	Total/NA	Solid	8015NM Prep	
880-18047-5	B-16-2'-081122	Total/NA	Solid	8015NM Prep	
880-18047-6	B-17-2'-081122	Total/NA	Solid	8015NM Prep	
880-18047-7	B-18-2'-081122	Total/NA	Solid	8015NM Prep	
MB 880-32109/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32109/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18047-1 MS	B-12-2'-081122	Total/NA	Solid	8015NM Prep	
880-18047-1 MSD	B-12-2'-081122	Total/NA	Solid	8015NM Prep	

Analysis Batch: 32125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Total/NA	Solid	8015B NM	32109
880-18047-2	B-13-2'-081122	Total/NA	Solid	8015B NM	32109
880-18047-3	B-14-2'-081122	Total/NA	Solid	8015B NM	32109
880-18047-4	B-15-2'-081122	Total/NA	Solid	8015B NM	32109
880-18047-5	B-16-2'-081122	Total/NA	Solid	8015B NM	32109
880-18047-6	B-17-2'-081122	Total/NA	Solid	8015B NM	32109
880-18047-7	B-18-2'-081122	Total/NA	Solid	8015B NM	32109
MB 880-32109/1-A	Method Blank	Total/NA	Solid	8015B NM	32109
LCS 880-32109/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32109
LCSD 880-32109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32109
880-18047-1 MS	B-12-2'-081122	Total/NA	Solid	8015B NM	32109
880-18047-1 MSD	B-12-2'-081122	Total/NA	Solid	8015B NM	32109

Analysis Batch: 32137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Total/NA	Solid	8015 NM	
890-2741-2	SW-1-1'-081022	Total/NA	Solid	8015 NM	
890-2741-3	SW-2-1'-081022	Total/NA	Solid	8015 NM	
890-2741-4	SW-3-1'-081022	Total/NA	Solid	8015 NM	
890-2741-5	B-2-2'-081022	Total/NA	Solid	8015 NM	
890-2741-6	SW-4-1'-081122	Total/NA	Solid	8015 NM	
890-2741-7	B-3-2'-081122	Total/NA	Solid	8015 NM	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC Semi VOA (Continued)

Analysis Batch: 32137 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-8	B-4-2'-081122	Total/NA	Solid	8015 NM	
890-2741-9	B-5-2'-081122	Total/NA	Solid	8015 NM	
890-2741-10	B-6-2'-081122	Total/NA	Solid	8015 NM	
890-2741-11	B-7-2'081122	Total/NA	Solid	8015 NM	
890-2741-12	B-8-2'-081122	Total/NA	Solid	8015 NM	
890-2741-13	B-9-2'-081122	Total/NA	Solid	8015 NM	
890-2741-14	B-10-2'-081122	Total/NA	Solid	8015 NM	
890-2741-15	B-11-2'-081122	Total/NA	Solid	8015 NM	
890-2741-16	SW-6-1'-081122	Total/NA	Solid	8015 NM	
890-2741-17	SW-7-1'-081122	Total/NA	Solid	8015 NM	

Analysis Batch: 32184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Total/NA	Solid	8015 NM	
880-18047-2	B-13-2'-081122	Total/NA	Solid	8015 NM	
880-18047-3	B-14-2'-081122	Total/NA	Solid	8015 NM	
880-18047-4	B-15-2'-081122	Total/NA	Solid	8015 NM	
880-18047-5	B-16-2'-081122	Total/NA	Solid	8015 NM	
880-18047-6	B-17-2'-081122	Total/NA	Solid	8015 NM	
880-18047-7	B-18-2'-081122	Total/NA	Solid	8015 NM	

Analysis Batch: 32197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Total/NA	Solid	8015B NM	32206
890-2753-2	B-19-2 081522	Total/NA	Solid	8015B NM	32206
890-2753-3	B-20-2 081522	Total/NA	Solid	8015B NM	32206
890-2753-4	B-22-2 081522	Total/NA	Solid	8015B NM	32206
890-2753-5	B-23-2 081522	Total/NA	Solid	8015B NM	32206
890-2753-6	B-24-2 081522	Total/NA	Solid	8015B NM	32206
890-2753-7	SW-9-1 081522	Total/NA	Solid	8015B NM	32206
890-2753-8	SW-10-1 081522	Total/NA	Solid	8015B NM	32206
890-2753-9	B-21-2 081522	Total/NA	Solid	8015B NM	32206
MB 880-32206/1-A	Method Blank	Total/NA	Solid	8015B NM	32206
LCS 880-32206/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32206
LCSD 880-32206/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32206

Prep Batch: 32206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Total/NA	Solid	8015NM Prep	
890-2753-2	B-19-2 081522	Total/NA	Solid	8015NM Prep	
890-2753-3	B-20-2 081522	Total/NA	Solid	8015NM Prep	
890-2753-4	B-22-2 081522	Total/NA	Solid	8015NM Prep	
890-2753-5	B-23-2 081522	Total/NA	Solid	8015NM Prep	
890-2753-6	B-24-2 081522	Total/NA	Solid	8015NM Prep	
890-2753-7	SW-9-1 081522	Total/NA	Solid	8015NM Prep	
890-2753-8	SW-10-1 081522	Total/NA	Solid	8015NM Prep	
890-2753-9	B-21-2 081522	Total/NA	Solid	8015NM Prep	
MB 880-32206/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32206/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32206/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC Semi VOA

Analysis Batch: 32315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Total/NA	Solid	8015 NM	
890-2753-2	B-19-2 081522	Total/NA	Solid	8015 NM	
890-2753-3	B-20-2 081522	Total/NA	Solid	8015 NM	
890-2753-4	B-22-2 081522	Total/NA	Solid	8015 NM	
890-2753-5	B-23-2 081522	Total/NA	Solid	8015 NM	
890-2753-6	B-24-2 081522	Total/NA	Solid	8015 NM	
890-2753-7	SW-9-1 081522	Total/NA	Solid	8015 NM	
890-2753-8	SW-10-1 081522	Total/NA	Solid	8015 NM	
890-2753-9	B-21-2 081522	Total/NA	Solid	8015 NM	

Analysis Batch: 32586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Total/NA	Solid	8015B NM	32608
890-2779-2	SW-6-2 081722	Total/NA	Solid	8015B NM	32608
890-2779-3	SW-7-2 081722	Total/NA	Solid	8015B NM	32608
890-2779-4	SW-5-1 081722	Total/NA	Solid	8015B NM	32608
890-2779-5	B-42-2 081722	Total/NA	Solid	8015B NM	32608
890-2779-6	B-43-2 081722	Total/NA	Solid	8015B NM	32608
890-2779-7	Sw-16-1 081722	Total/NA	Solid	8015B NM	32608
MB 880-32608/1-A	Method Blank	Total/NA	Solid	8015B NM	32608
LCS 880-32608/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32608
LCSD 880-32608/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32608

Prep Batch: 32608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Total/NA	Solid	8015NM Prep	
890-2779-2	SW-6-2 081722	Total/NA	Solid	8015NM Prep	
890-2779-3	SW-7-2 081722	Total/NA	Solid	8015NM Prep	
890-2779-4	SW-5-1 081722	Total/NA	Solid	8015NM Prep	
890-2779-5	B-42-2 081722	Total/NA	Solid	8015NM Prep	
890-2779-6	B-43-2 081722	Total/NA	Solid	8015NM Prep	
890-2779-7	Sw-16-1 081722	Total/NA	Solid	8015NM Prep	
MB 880-32608/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32608/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32608/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 32719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-2	B--26-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-3	B-27-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-4	B-28-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-5	B-29-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-6	B-30-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-7	B-31-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-8	B-32-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-9	B-33-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-10	SW-11-1 081722	Total/NA	Solid	8015B NM	32732
890-2764-11	B-34-2 081722	Total/NA	Solid	8015B NM	32732
890-2764-12	B-35-2 081722	Total/NA	Solid	8015B NM	32732
890-2764-13	B-36-2 081722	Total/NA	Solid	8015B NM	32732

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC Semi VOA (Continued)

Analysis Batch: 32719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-14	B--37-2 081722	Total/NA	Solid	8015B NM	32732
890-2764-15	B-38-2 081722	Total/NA	Solid	8015B NM	32732
890-2764-16	SW-12-1 081722	Total/NA	Solid	8015B NM	32732
890-2764-17	SW-13-1 081722	Total/NA	Solid	8015B NM	32732
890-2764-18	SW-14-1 081722	Total/NA	Solid	8015B NM	32732
890-2764-19	SW-15-1 081722	Total/NA	Solid	8015B NM	32732
890-2764-20	B-39-2 081722	Total/NA	Solid	8015B NM	32732
MB 880-32732/1-A	Method Blank	Total/NA	Solid	8015B NM	32732
LCS 880-32732/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32732
LCSD 880-32732/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32732
890-2764-1 MS	B-25-2 081622	Total/NA	Solid	8015B NM	32732
890-2764-1 MSD	B-25-2 081622	Total/NA	Solid	8015B NM	32732

Prep Batch: 32732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-2	B--26-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-3	B-27-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-4	B-28-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-5	B-29-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-6	B-30-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-7	B-31-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-8	B-32-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-9	B-33-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-10	SW-11-1 081722	Total/NA	Solid	8015NM Prep	
890-2764-11	B-34-2 081722	Total/NA	Solid	8015NM Prep	
890-2764-12	B-35-2 081722	Total/NA	Solid	8015NM Prep	
890-2764-13	B-36-2 081722	Total/NA	Solid	8015NM Prep	
890-2764-14	B--37-2 081722	Total/NA	Solid	8015NM Prep	
890-2764-15	B-38-2 081722	Total/NA	Solid	8015NM Prep	
890-2764-16	SW-12-1 081722	Total/NA	Solid	8015NM Prep	
890-2764-17	SW-13-1 081722	Total/NA	Solid	8015NM Prep	
890-2764-18	SW-14-1 081722	Total/NA	Solid	8015NM Prep	
890-2764-19	SW-15-1 081722	Total/NA	Solid	8015NM Prep	
890-2764-20	B-39-2 081722	Total/NA	Solid	8015NM Prep	
MB 880-32732/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32732/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32732/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2764-1 MS	B-25-2 081622	Total/NA	Solid	8015NM Prep	
890-2764-1 MSD	B-25-2 081622	Total/NA	Solid	8015NM Prep	

Prep Batch: 32774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-21	B-40-2 081722	Total/NA	Solid	8015NM Prep	
890-2764-22	B-41-2 081722	Total/NA	Solid	8015NM Prep	
890-2764-23	B-42-2 081722	Total/NA	Solid	8015NM Prep	
MB 880-32774/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32774/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC Semi VOA

Analysis Batch: 32777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Total/NA	Solid	8015 NM	
890-2779-2	SW-6-2 081722	Total/NA	Solid	8015 NM	
890-2779-3	SW-7-2 081722	Total/NA	Solid	8015 NM	
890-2779-4	SW-5-1 081722	Total/NA	Solid	8015 NM	
890-2779-5	B-42-2 081722	Total/NA	Solid	8015 NM	
890-2779-6	B-43-2 081722	Total/NA	Solid	8015 NM	
890-2779-7	Sw-16-1 081722	Total/NA	Solid	8015 NM	

Analysis Batch: 32808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-21	B-40-2 081722	Total/NA	Solid	8015B NM	32774
890-2764-22	B-41-2 081722	Total/NA	Solid	8015B NM	32774
890-2764-23	B-42-2 081722	Total/NA	Solid	8015B NM	32774
MB 880-32774/1-A	Method Blank	Total/NA	Solid	8015B NM	32774
LCS 880-32774/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32774
LCSD 880-32774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32774

Analysis Batch: 32831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Total/NA	Solid	8015 NM	
890-2764-2	B--26-2 081622	Total/NA	Solid	8015 NM	
890-2764-3	B-27-2 081622	Total/NA	Solid	8015 NM	
890-2764-4	B-28-2 081622	Total/NA	Solid	8015 NM	
890-2764-5	B-29-2 081622	Total/NA	Solid	8015 NM	
890-2764-6	B-30-2 081622	Total/NA	Solid	8015 NM	
890-2764-7	B-31-2 081622	Total/NA	Solid	8015 NM	
890-2764-8	B-32-2 081622	Total/NA	Solid	8015 NM	
890-2764-9	B-33-2 081622	Total/NA	Solid	8015 NM	
890-2764-10	SW-11-1 081722	Total/NA	Solid	8015 NM	
890-2764-11	B-34-2 081722	Total/NA	Solid	8015 NM	
890-2764-12	B-35-2 081722	Total/NA	Solid	8015 NM	
890-2764-13	B-36-2 081722	Total/NA	Solid	8015 NM	
890-2764-14	B--37-2 081722	Total/NA	Solid	8015 NM	
890-2764-15	B-38-2 081722	Total/NA	Solid	8015 NM	
890-2764-16	SW-12-1 081722	Total/NA	Solid	8015 NM	
890-2764-17	SW-13-1 081722	Total/NA	Solid	8015 NM	
890-2764-18	SW-14-1 081722	Total/NA	Solid	8015 NM	
890-2764-19	SW-15-1 081722	Total/NA	Solid	8015 NM	
890-2764-20	B-39-2 081722	Total/NA	Solid	8015 NM	
890-2764-21	B-40-2 081722	Total/NA	Solid	8015 NM	
890-2764-22	B-41-2 081722	Total/NA	Solid	8015 NM	
890-2764-23	B-42-2 081722	Total/NA	Solid	8015 NM	

Prep Batch: 33085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-7	SW-17-1'-082322	Total/NA	Solid	8015NM Prep	
880-18525-8	SW-18-1'-082322	Total/NA	Solid	8015NM Prep	
880-18525-9	SW-19-1'-082322	Total/NA	Solid	8015NM Prep	
MB 880-33085/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33085/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

GC Semi VOA

Analysis Batch: 33129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-7	SW-17-1'-082322	Total/NA	Solid	8015B NM	33085
880-18525-8	SW-18-1'-082322	Total/NA	Solid	8015B NM	33085
880-18525-9	SW-19-1'-082322	Total/NA	Solid	8015B NM	33085
MB 880-33085/1-A	Method Blank	Total/NA	Solid	8015B NM	33085
LCS 880-33085/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33085
LCSD 880-33085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33085

Analysis Batch: 33143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Total/NA	Solid	8015B NM	33157
880-18525-2	SW-5-1'-082322	Total/NA	Solid	8015B NM	33157
880-18525-3	SW-14-1'-082322	Total/NA	Solid	8015B NM	33157
880-18525-4	B-33-3'-082322	Total/NA	Solid	8015B NM	33157
880-18525-5	B-34-3'-082322	Total/NA	Solid	8015B NM	33157
880-18525-6	B-35-3'-082322	Total/NA	Solid	8015B NM	33157
MB 880-33157/1-A	Method Blank	Total/NA	Solid	8015B NM	33157
LCS 880-33157/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33157
LCSD 880-33157/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33157
880-18525-1 MS	SW-9-1'-082322	Total/NA	Solid	8015B NM	33157
880-18525-1 MSD	SW-9-1'-082322	Total/NA	Solid	8015B NM	33157

Prep Batch: 33157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Total/NA	Solid	8015NM Prep	
880-18525-2	SW-5-1'-082322	Total/NA	Solid	8015NM Prep	
880-18525-3	SW-14-1'-082322	Total/NA	Solid	8015NM Prep	
880-18525-4	B-33-3'-082322	Total/NA	Solid	8015NM Prep	
880-18525-5	B-34-3'-082322	Total/NA	Solid	8015NM Prep	
880-18525-6	B-35-3'-082322	Total/NA	Solid	8015NM Prep	
MB 880-33157/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33157/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33157/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18525-1 MS	SW-9-1'-082322	Total/NA	Solid	8015NM Prep	
880-18525-1 MSD	SW-9-1'-082322	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Total/NA	Solid	8015 NM	
880-18525-2	SW-5-1'-082322	Total/NA	Solid	8015 NM	
880-18525-3	SW-14-1'-082322	Total/NA	Solid	8015 NM	
880-18525-4	B-33-3'-082322	Total/NA	Solid	8015 NM	
880-18525-5	B-34-3'-082322	Total/NA	Solid	8015 NM	
880-18525-6	B-35-3'-082322	Total/NA	Solid	8015 NM	
880-18525-7	SW-17-1'-082322	Total/NA	Solid	8015 NM	
880-18525-8	SW-18-1'-082322	Total/NA	Solid	8015 NM	
880-18525-9	SW-19-1'-082322	Total/NA	Solid	8015 NM	

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

HPLC/IC

Leach Batch: 32129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Soluble	Solid	DI Leach	
890-2741-2	SW-1-1'-081022	Soluble	Solid	DI Leach	
890-2741-3	SW-2-1'-081022	Soluble	Solid	DI Leach	
890-2741-4	SW-3-1'-081022	Soluble	Solid	DI Leach	
890-2741-5	B-2-2'-081022	Soluble	Solid	DI Leach	
890-2741-6	SW-4-1'-081122	Soluble	Solid	DI Leach	
890-2741-7	B-3-2'-081122	Soluble	Solid	DI Leach	
890-2741-8	B-4-2'-081122	Soluble	Solid	DI Leach	
890-2741-9	B-5-2'-081122	Soluble	Solid	DI Leach	
890-2741-10	B-6-2'-081122	Soluble	Solid	DI Leach	
890-2741-11	B-7-2'081122	Soluble	Solid	DI Leach	
890-2741-12	B-8-2'-081122	Soluble	Solid	DI Leach	
890-2741-13	B-9-2'-081122	Soluble	Solid	DI Leach	
890-2741-14	B-10-2'-081122	Soluble	Solid	DI Leach	
890-2741-15	B-11-2'-081122	Soluble	Solid	DI Leach	
890-2741-16	SW-6-1'-081122	Soluble	Solid	DI Leach	
890-2741-17	SW-7-1'-081122	Soluble	Solid	DI Leach	
MB 880-32129/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32129/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32129/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2741-9 MS	B-5-2'-081122	Soluble	Solid	DI Leach	
890-2741-9 MSD	B-5-2'-081122	Soluble	Solid	DI Leach	

Leach Batch: 32133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Soluble	Solid	DI Leach	
880-18047-2	B-13-2'-081122	Soluble	Solid	DI Leach	
880-18047-3	B-14-2'-081122	Soluble	Solid	DI Leach	
880-18047-4	B-15-2'-081122	Soluble	Solid	DI Leach	
880-18047-5	B-16-2'-081122	Soluble	Solid	DI Leach	
880-18047-6	B-17-2'-081122	Soluble	Solid	DI Leach	
880-18047-7	B-18-2'-081122	Soluble	Solid	DI Leach	
MB 880-32133/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32133/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32133/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18047-2 MS	B-13-2'-081122	Soluble	Solid	DI Leach	
880-18047-2 MSD	B-13-2'-081122	Soluble	Solid	DI Leach	

Analysis Batch: 32159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-1	B-1-2'-081022	Soluble	Solid	300.0	32129
890-2741-2	SW-1-1'-081022	Soluble	Solid	300.0	32129
890-2741-3	SW-2-1'-081022	Soluble	Solid	300.0	32129
890-2741-4	SW-3-1'-081022	Soluble	Solid	300.0	32129
890-2741-5	B-2-2'-081022	Soluble	Solid	300.0	32129
890-2741-6	SW-4-1'-081122	Soluble	Solid	300.0	32129
890-2741-7	B-3-2'-081122	Soluble	Solid	300.0	32129
890-2741-8	B-4-2'-081122	Soluble	Solid	300.0	32129
890-2741-9	B-5-2'-081122	Soluble	Solid	300.0	32129
890-2741-10	B-6-2'-081122	Soluble	Solid	300.0	32129
890-2741-11	B-7-2'081122	Soluble	Solid	300.0	32129

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

HPLC/IC (Continued)

Analysis Batch: 32159 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2741-12	B-8-2'-081122	Soluble	Solid	300.0	32129
890-2741-13	B-9-2'-081122	Soluble	Solid	300.0	32129
890-2741-14	B-10-2'-081122	Soluble	Solid	300.0	32129
890-2741-15	B-11-2'-081122	Soluble	Solid	300.0	32129
890-2741-16	SW-6-1'-081122	Soluble	Solid	300.0	32129
890-2741-17	SW-7-1'-081122	Soluble	Solid	300.0	32129
MB 880-32129/1-A	Method Blank	Soluble	Solid	300.0	32129
LCS 880-32129/2-A	Lab Control Sample	Soluble	Solid	300.0	32129
LCSD 880-32129/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32129
890-2741-9 MS	B-5-2'-081122	Soluble	Solid	300.0	32129
890-2741-9 MSD	B-5-2'-081122	Soluble	Solid	300.0	32129

Analysis Batch: 32172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18047-1	B-12-2'-081122	Soluble	Solid	300.0	32133
880-18047-2	B-13-2'-081122	Soluble	Solid	300.0	32133
880-18047-3	B-14-2'-081122	Soluble	Solid	300.0	32133
880-18047-4	B-15-2'-081122	Soluble	Solid	300.0	32133
880-18047-5	B-16-2'-081122	Soluble	Solid	300.0	32133
880-18047-6	B-17-2'-081122	Soluble	Solid	300.0	32133
880-18047-7	B-18-2'-081122	Soluble	Solid	300.0	32133
MB 880-32133/1-A	Method Blank	Soluble	Solid	300.0	32133
LCS 880-32133/2-A	Lab Control Sample	Soluble	Solid	300.0	32133
LCSD 880-32133/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32133
880-18047-2 MS	B-13-2'-081122	Soluble	Solid	300.0	32133
880-18047-2 MSD	B-13-2'-081122	Soluble	Solid	300.0	32133

Leach Batch: 32192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Soluble	Solid	DI Leach	
890-2753-2	B-19-2 081522	Soluble	Solid	DI Leach	
890-2753-3	B-20-2 081522	Soluble	Solid	DI Leach	
890-2753-4	B-22-2 081522	Soluble	Solid	DI Leach	
890-2753-5	B-23-2 081522	Soluble	Solid	DI Leach	
890-2753-6	B-24-2 081522	Soluble	Solid	DI Leach	
890-2753-7	SW-9-1 081522	Soluble	Solid	DI Leach	
890-2753-8	SW-10-1 081522	Soluble	Solid	DI Leach	
890-2753-9	B-21-2 081522	Soluble	Solid	DI Leach	
MB 880-32192/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32192/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32192/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2753-5 MS	B-23-2 081522	Soluble	Solid	DI Leach	
890-2753-5 MSD	B-23-2 081522	Soluble	Solid	DI Leach	

Analysis Batch: 32257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-1	SW-8- 081522	Soluble	Solid	300.0	32192
890-2753-2	B-19-2 081522	Soluble	Solid	300.0	32192
890-2753-3	B-20-2 081522	Soluble	Solid	300.0	32192
890-2753-4	B-22-2 081522	Soluble	Solid	300.0	32192
890-2753-5	B-23-2 081522	Soluble	Solid	300.0	32192

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

HPLC/IC (Continued)

Analysis Batch: 32257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2753-6	B-24-2 081522	Soluble	Solid	300.0	32192
890-2753-7	SW-9-1 081522	Soluble	Solid	300.0	32192
890-2753-8	SW-10-1 081522	Soluble	Solid	300.0	32192
890-2753-9	B-21-2 081522	Soluble	Solid	300.0	32192
MB 880-32192/1-A	Method Blank	Soluble	Solid	300.0	32192
LCS 880-32192/2-A	Lab Control Sample	Soluble	Solid	300.0	32192
LCSD 880-32192/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32192
890-2753-5 MS	B-23-2 081522	Soluble	Solid	300.0	32192
890-2753-5 MSD	B-23-2 081522	Soluble	Solid	300.0	32192

Leach Batch: 32414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Soluble	Solid	DI Leach	
890-2764-2	B--26-2 081622	Soluble	Solid	DI Leach	
890-2764-3	B-27-2 081622	Soluble	Solid	DI Leach	
890-2764-4	B-28-2 081622	Soluble	Solid	DI Leach	
890-2764-5	B-29-2 081622	Soluble	Solid	DI Leach	
890-2764-6	B-30-2 081622	Soluble	Solid	DI Leach	
890-2764-7	B-31-2 081622	Soluble	Solid	DI Leach	
890-2764-8	B-32-2 081622	Soluble	Solid	DI Leach	
890-2764-9	B-33-2 081622	Soluble	Solid	DI Leach	
890-2764-10	SW-11-1 081722	Soluble	Solid	DI Leach	
890-2764-11	B-34-2 081722	Soluble	Solid	DI Leach	
890-2764-12	B-35-2 081722	Soluble	Solid	DI Leach	
890-2764-13	B-36-2 081722	Soluble	Solid	DI Leach	
890-2764-14	B--37-2 081722	Soluble	Solid	DI Leach	
890-2764-15	B-38-2 081722	Soluble	Solid	DI Leach	
890-2764-16	SW-12-1 081722	Soluble	Solid	DI Leach	
890-2764-17	SW-13-1 081722	Soluble	Solid	DI Leach	
890-2764-18	SW-14-1 081722	Soluble	Solid	DI Leach	
890-2764-19	SW-15-1 081722	Soluble	Solid	DI Leach	
890-2764-20	B-39-2 081722	Soluble	Solid	DI Leach	
MB 880-32414/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32414/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32414/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 32421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-21	B-40-2 081722	Soluble	Solid	DI Leach	
890-2764-22	B-41-2 081722	Soluble	Solid	DI Leach	
890-2764-23	B-42-2 081722	Soluble	Solid	DI Leach	
MB 880-32421/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32421/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32421/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 32509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-1	B-25-2 081622	Soluble	Solid	300.0	32414
890-2764-2	B--26-2 081622	Soluble	Solid	300.0	32414
890-2764-3	B-27-2 081622	Soluble	Solid	300.0	32414
890-2764-4	B-28-2 081622	Soluble	Solid	300.0	32414

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

HPLC/IC (Continued)

Analysis Batch: 32509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-5	B-29-2 081622	Soluble	Solid	300.0	32414
890-2764-6	B-30-2 081622	Soluble	Solid	300.0	32414
890-2764-7	B-31-2 081622	Soluble	Solid	300.0	32414
890-2764-8	B-32-2 081622	Soluble	Solid	300.0	32414
890-2764-9	B-33-2 081622	Soluble	Solid	300.0	32414
890-2764-10	SW-11-1 081722	Soluble	Solid	300.0	32414
890-2764-11	B-34-2 081722	Soluble	Solid	300.0	32414
890-2764-12	B-35-2 081722	Soluble	Solid	300.0	32414
890-2764-13	B-36-2 081722	Soluble	Solid	300.0	32414
890-2764-14	B--37-2 081722	Soluble	Solid	300.0	32414
890-2764-15	B-38-2 081722	Soluble	Solid	300.0	32414
890-2764-16	SW-12-1 081722	Soluble	Solid	300.0	32414
890-2764-17	SW-13-1 081722	Soluble	Solid	300.0	32414
890-2764-18	SW-14-1 081722	Soluble	Solid	300.0	32414
890-2764-19	SW-15-1 081722	Soluble	Solid	300.0	32414
890-2764-20	B-39-2 081722	Soluble	Solid	300.0	32414
MB 880-32414/1-A	Method Blank	Soluble	Solid	300.0	32414
LCS 880-32414/2-A	Lab Control Sample	Soluble	Solid	300.0	32414
LCSD 880-32414/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32414

Leach Batch: 32510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Soluble	Solid	DI Leach	
890-2779-2	SW-6-2 081722	Soluble	Solid	DI Leach	
890-2779-3	SW-7-2 081722	Soluble	Solid	DI Leach	
890-2779-4	SW-5-1 081722	Soluble	Solid	DI Leach	
890-2779-5	B-42-2 081722	Soluble	Solid	DI Leach	
890-2779-6	B-43-2 081722	Soluble	Solid	DI Leach	
890-2779-7	Sw-16-1 081722	Soluble	Solid	DI Leach	
MB 880-32510/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32510/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32510/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2779-1 MS	B-11-3 081722	Soluble	Solid	DI Leach	
890-2779-1 MSD	B-11-3 081722	Soluble	Solid	DI Leach	

Analysis Batch: 32603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2764-21	B-40-2 081722	Soluble	Solid	300.0	32421
890-2764-22	B-41-2 081722	Soluble	Solid	300.0	32421
890-2764-23	B-42-2 081722	Soluble	Solid	300.0	32421
MB 880-32421/1-A	Method Blank	Soluble	Solid	300.0	32421
LCS 880-32421/2-A	Lab Control Sample	Soluble	Solid	300.0	32421
LCSD 880-32421/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32421

Analysis Batch: 32655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-1	B-11-3 081722	Soluble	Solid	300.0	32510
890-2779-2	SW-6-2 081722	Soluble	Solid	300.0	32510
890-2779-3	SW-7-2 081722	Soluble	Solid	300.0	32510
890-2779-4	SW-5-1 081722	Soluble	Solid	300.0	32510
890-2779-5	B-42-2 081722	Soluble	Solid	300.0	32510

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

HPLC/IC (Continued)

Analysis Batch: 32655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2779-6	B-43-2 081722	Soluble	Solid	300.0	32510
890-2779-7	Sw-16-1 081722	Soluble	Solid	300.0	32510
MB 880-32510/1-A	Method Blank	Soluble	Solid	300.0	32510
LCS 880-32510/2-A	Lab Control Sample	Soluble	Solid	300.0	32510
LCSD 880-32510/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32510
890-2779-1 MS	B-11-3 081722	Soluble	Solid	300.0	32510
890-2779-1 MSD	B-11-3 081722	Soluble	Solid	300.0	32510

Leach Batch: 32932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Soluble	Solid	DI Leach	
880-18525-2	SW-5-1'-082322	Soluble	Solid	DI Leach	
880-18525-3	SW-14-1'-082322	Soluble	Solid	DI Leach	
880-18525-4	B-33-3'-082322	Soluble	Solid	DI Leach	
880-18525-5	B-34-3'-082322	Soluble	Solid	DI Leach	
880-18525-7	SW-17-1'-082322	Soluble	Solid	DI Leach	
880-18525-8	SW-18-1'-082322	Soluble	Solid	DI Leach	
880-18525-9	SW-19-1'-082322	Soluble	Solid	DI Leach	
MB 880-32932/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32932/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32932/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 33078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-6	B-35-3'-082322	Soluble	Solid	DI Leach	
MB 880-33078/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33078/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33078/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 33095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-1	SW-9-1'-082322	Soluble	Solid	300.0	32932
880-18525-2	SW-5-1'-082322	Soluble	Solid	300.0	32932
880-18525-3	SW-14-1'-082322	Soluble	Solid	300.0	32932
880-18525-4	B-33-3'-082322	Soluble	Solid	300.0	32932
880-18525-5	B-34-3'-082322	Soluble	Solid	300.0	32932
880-18525-7	SW-17-1'-082322	Soluble	Solid	300.0	32932
880-18525-8	SW-18-1'-082322	Soluble	Solid	300.0	32932
880-18525-9	SW-19-1'-082322	Soluble	Solid	300.0	32932
MB 880-32932/1-A	Method Blank	Soluble	Solid	300.0	32932
LCS 880-32932/2-A	Lab Control Sample	Soluble	Solid	300.0	32932
LCSD 880-32932/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32932

Analysis Batch: 33397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18525-6	B-35-3'-082322	Soluble	Solid	300.0	33078
MB 880-33078/1-A	Method Blank	Soluble	Solid	300.0	33078
LCS 880-33078/2-A	Lab Control Sample	Soluble	Solid	300.0	33078
LCSD 880-33078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33078

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-12-2'-081122
Date Collected: 08/11/22 14:30
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	4.99 g	32273	08/16/22 16:10	AJ	EET MID
Total/NA	Analysis	8021B		1			32252	08/17/22 03:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32299	08/17/22 08:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32184	08/15/22 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32109	08/12/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1			32125	08/15/22 11:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32133	08/15/22 08:58	KS	EET MID
Soluble	Analysis	300.0		1			32172	08/17/22 10:12	CH	EET MID

Client Sample ID: B-13-2'-081122
Date Collected: 08/11/22 14:35
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.01 g	32273	08/16/22 16:10	AJ	EET MID
Total/NA	Analysis	8021B		1			32252	08/17/22 04:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32299	08/17/22 08:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32184	08/15/22 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32109	08/12/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1			32125	08/15/22 12:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32133	08/15/22 08:58	KS	EET MID
Soluble	Analysis	300.0		1			32172	08/17/22 10:20	CH	EET MID

Client Sample ID: B-14-2'-081122
Date Collected: 08/11/22 14:40
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	32273	08/16/22 16:10	AJ	EET MID
Total/NA	Analysis	8021B		1			32252	08/17/22 04:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32299	08/17/22 08:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32184	08/15/22 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32109	08/12/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1			32125	08/15/22 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32133	08/15/22 08:58	KS	EET MID
Soluble	Analysis	300.0		1			32172	08/17/22 10:43	CH	EET MID

Client Sample ID: B-15-2'-081122
Date Collected: 08/11/22 14:45
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5.02 g	32273	08/16/22 16:10	AJ	EET MID
Total/NA	Analysis	8021B		1			32252	08/17/22 05:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32299	08/17/22 08:24	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-15-2'-081122
Date Collected: 08/11/22 14:45
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-4
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			32184	08/15/22 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32109	08/12/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1			32125	08/15/22 13:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32133	08/15/22 08:58	KS	EET MID
Soluble	Analysis	300.0		1			32172	08/17/22 10:51	CH	EET MID

Client Sample ID: B-16-2'-081122
Date Collected: 08/11/22 14:50
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.01 g	32273	08/16/22 16:10	AJ	EET MID
Total/NA	Analysis	8021B		1			32252	08/17/22 05:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32299	08/17/22 08:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32184	08/15/22 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32109	08/12/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1			32125	08/15/22 13:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32133	08/15/22 08:58	KS	EET MID
Soluble	Analysis	300.0		1			32172	08/17/22 11:15	CH	EET MID

Client Sample ID: B-17-2'-081122
Date Collected: 08/11/22 14:55
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5.02 g	32273	08/16/22 16:10	AJ	EET MID
Total/NA	Analysis	8021B		1			32252	08/17/22 05:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32299	08/17/22 08:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32184	08/15/22 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32109	08/12/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1			32125	08/15/22 13:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32133	08/15/22 08:58	KS	EET MID
Soluble	Analysis	300.0		1			32172	08/17/22 11:23	CH	EET MID

Client Sample ID: B-18-2'-081122
Date Collected: 08/11/22 15:00
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.01 g	32273	08/16/22 16:10	AJ	EET MID
Total/NA	Analysis	8021B		1			32252	08/17/22 06:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32299	08/17/22 08:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32184	08/15/22 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32109	08/12/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1			32125	08/15/22 14:14	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-18-2'-081122
Date Collected: 08/11/22 15:00
Date Received: 08/12/22 14:15

Lab Sample ID: 880-18047-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	32133	08/15/22 08:58	KS	EET MID
Soluble	Analysis	300.0		1			32172	08/17/22 11:31	CH	EET MID

Client Sample ID: SW-9-1'-082322
Date Collected: 08/23/22 10:00
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 06:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33157	08/29/22 08:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33143	08/29/22 11:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 12:57	SMC	EET MID

Client Sample ID: SW-5-1'-082322
Date Collected: 08/23/22 10:05
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 06:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33157	08/29/22 08:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33143	08/29/22 15:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 13:25	SMC	EET MID

Client Sample ID: SW-14-1'-082322
Date Collected: 08/23/22 10:10
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 07:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33157	08/29/22 08:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33143	08/29/22 15:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 13:34	SMC	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-33-3'-082322
Date Collected: 08/23/22 10:15
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 07:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33157	08/29/22 08:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33143	08/29/22 16:43	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 13:43	SMC	EET MID

Client Sample ID: B-34-3'-082322
Date Collected: 08/23/22 10:20
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 07:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33157	08/29/22 08:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33143	08/29/22 17:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 13:53	SMC	EET MID

Client Sample ID: B-35-3'-082322
Date Collected: 08/23/22 10:25
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 08:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33157	08/29/22 08:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33143	08/29/22 17:27	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33078	08/30/22 14:57	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 16:55	CH	EET MID

Client Sample ID: SW-17-1'-082322
Date Collected: 08/23/22 13:00
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 08:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-17-1'-082322
Date Collected: 08/23/22 13:00
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33085	08/26/22 15:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33129	08/28/22 22:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 14:11	SMC	EET MID

Client Sample ID: SW-18-1'-082322
Date Collected: 08/23/22 13:05
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 08:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33085	08/26/22 15:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33129	08/28/22 23:10	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 14:20	SMC	EET MID

Client Sample ID: SW-19-1'-082322
Date Collected: 08/23/22 13:10
Date Received: 08/25/22 08:50

Lab Sample ID: 880-18525-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33662	09/02/22 15:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33695	09/05/22 09:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33738	09/05/22 10:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33213	08/29/22 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33085	08/26/22 15:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33129	08/28/22 23:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32932	08/25/22 10:32	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33095	08/26/22 12:48	SMC	EET MID

Client Sample ID: B-1-2'-081022
Date Collected: 08/10/22 14:00
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	32103	08/12/22 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 03:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 12:48	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-1-2'-081022
Date Collected: 08/10/22 14:00
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 11:49	CH	EET MID

Client Sample ID: SW-1-1'-081022
Date Collected: 08/10/22 14:05
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	32103	08/12/22 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 05:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 11:56	CH	EET MID

Client Sample ID: SW-2-1'-081022
Date Collected: 08/10/22 14:10
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	32103	08/12/22 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 05:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 13:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 12:04	CH	EET MID

Client Sample ID: SW-3-1'-081022
Date Collected: 08/10/22 14:15
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	32103	08/12/22 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 06:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 12:28	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-2-2'-081022
Date Collected: 08/10/22 14:20
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	32103	08/12/22 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 06:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 12:36	CH	EET MID

Client Sample ID: SW-4-1'-081122
Date Collected: 08/11/22 09:05
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32103	08/12/22 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 06:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 14:36	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 12:44	CH	EET MID

Client Sample ID: B-3-2'-081122
Date Collected: 08/11/22 09:10
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 07:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 14:58	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 12:52	CH	EET MID

Client Sample ID: B-4-2'-081122
Date Collected: 08/11/22 09:15
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 08:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-4-2'-081122

Date Collected: 08/11/22 09:15
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	31966	08/12/22 11:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32042	08/12/22 15:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 12:59	CH	EET MID

Client Sample ID: B-5-2'-081122

Date Collected: 08/11/22 09:20
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 09:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 12:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 13:07	CH	EET MID

Client Sample ID: B-6-2'-081122

Date Collected: 08/11/22 09:25
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 09:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 13:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 13:31	CH	EET MID

Client Sample ID: B-7-2'081122

Date Collected: 08/11/22 09:30
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 09:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 13:36	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-7-2'081122
Date Collected: 08/11/22 09:30
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 13:39	CH	EET MID

Client Sample ID: B-8-2'-081122
Date Collected: 08/11/22 09:35
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 10:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 13:57	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 14:02	CH	EET MID

Client Sample ID: B-9-2'-081122
Date Collected: 08/11/22 09:40
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 10:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 14:19	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 14:10	CH	EET MID

Client Sample ID: B-10-2'-081122
Date Collected: 08/11/22 10:30
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32110	08/12/22 17:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 10:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 14:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 14:18	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-11-2'-081122
Date Collected: 08/11/22 10:35
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.01 g	32516	08/19/22 13:53	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 22:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 15:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 14:26	CH	EET MID

Client Sample ID: SW-6-1'-081122
Date Collected: 08/11/22 11:30
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.01 g	32516	08/19/22 13:53	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 22:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 15:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 14:34	CH	EET MID

Client Sample ID: SW-7-1'-081122
Date Collected: 08/11/22 11:35
Date Received: 08/11/22 12:37

Lab Sample ID: 890-2741-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.01 g	32516	08/19/22 13:53	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32427	08/19/22 22:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			32515	08/19/22 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32137	08/15/22 09:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32054	08/12/22 08:52	DM	EET MID
Total/NA	Analysis	8015B NM		1			32049	08/12/22 16:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32129	08/15/22 08:22	KS	EET MID
Soluble	Analysis	300.0		1			32159	08/15/22 14:42	CH	EET MID

Client Sample ID: SW-8- 081522
Date Collected: 08/15/22 10:15
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 01:50	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-8- 081522
Date Collected: 08/15/22 10:15
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 16:29	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 15:19	CH	EET MID

Client Sample ID: B-19-2 081522
Date Collected: 08/15/22 10:20
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 02:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 16:51	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 15:29	CH	EET MID

Client Sample ID: B-20-2 081522
Date Collected: 08/15/22 10:25
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 02:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 17:13	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 15:38	CH	EET MID

Client Sample ID: B-22-2 081522
Date Collected: 08/15/22 11:05
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 02:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 17:34	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-22-2 081522
Date Collected: 08/15/22 11:05
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 15:47	CH	EET MID

Client Sample ID: B-23-2 081522
Date Collected: 08/15/22 11:10
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 03:12	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 17:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 15:56	CH	EET MID

Client Sample ID: B-24-2 081522
Date Collected: 08/15/22 11:15
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 03:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 18:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 16:24	CH	EET MID

Client Sample ID: SW-9-1 081522
Date Collected: 08/15/22 11:20
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 03:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 18:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 16:33	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-10-1 081522
Date Collected: 08/15/22 11:25
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 04:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 19:00	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 17:01	CH	EET MID

Client Sample ID: B-21-2 081522
Date Collected: 08/15/22 11:30
Date Received: 08/15/22 12:40

Lab Sample ID: 890-2753-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	32705	08/22/22 15:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33040	08/27/22 04:34	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33219	08/29/22 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			32315	08/17/22 09:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32206	08/16/22 09:10	DM	EET MID
Total/NA	Analysis	8015B NM		1			32197	08/16/22 19:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32192	08/16/22 08:07	CH	EET MID
Soluble	Analysis	300.0		1			32257	08/16/22 17:10	CH	EET MID

Client Sample ID: B-25-2 081622
Date Collected: 08/16/22 15:00
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	33031	08/26/22 13:56	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33136	08/29/22 08:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 12:08	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 13:27	CH	EET MID

Client Sample ID: B--26-2 081622
Date Collected: 08/16/22 15:05
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33031	08/26/22 13:56	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33136	08/29/22 08:41	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B--26-2 081622
Date Collected: 08/16/22 15:05
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 13:11	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 13:51	CH	EET MID

Client Sample ID: B-27-2 081622
Date Collected: 08/16/22 15:10
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33031	08/26/22 13:56	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33136	08/29/22 09:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 13:33	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 13:59	CH	EET MID

Client Sample ID: B-28-2 081622
Date Collected: 08/16/22 15:15
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	33066	08/26/22 13:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33149	08/29/22 11:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 13:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 14:07	CH	EET MID

Client Sample ID: B-29-2 081622
Date Collected: 08/16/22 15:20
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	33066	08/26/22 13:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33149	08/29/22 11:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 14:15	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-29-2 081622

Date Collected: 08/16/22 15:20
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 14:14	CH	EET MID

Client Sample ID: B-30-2 081622

Date Collected: 08/16/22 15:25
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33066	08/26/22 13:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33149	08/29/22 11:43	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 14:37	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 14:38	CH	EET MID

Client Sample ID: B-31-2 081622

Date Collected: 08/16/22 15:30
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	33066	08/26/22 13:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33149	08/29/22 12:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 14:58	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 14:46	CH	EET MID

Client Sample ID: B-32-2 081622

Date Collected: 08/16/22 15:35
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33066	08/26/22 13:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33149	08/29/22 12:24	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 15:20	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 14:54	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-33-2 081622

Date Collected: 08/16/22 15:40
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	33066	08/26/22 13:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33149	08/29/22 12:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 15:42	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 15:01	CH	EET MID

Client Sample ID: SW-11-1 081722

Date Collected: 08/16/22 15:45
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33066	08/26/22 13:57	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33149	08/29/22 13:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 16:03	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 15:09	CH	EET MID

Client Sample ID: B-34-2 081722

Date Collected: 08/17/22 10:00
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 21:35	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 16:46	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32414	08/18/22 10:19	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 15:17	CH	EET MID

Client Sample ID: B-35-2 081722

Date Collected: 08/17/22 10:10
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 21:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-35-2 081722

Date Collected: 08/17/22 10:10
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 17:07	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 15:41	CH	EET MID

Client Sample ID: B-36-2 081722

Date Collected: 08/17/22 10:15
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 22:16	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 17:28	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 15:49	CH	EET MID

Client Sample ID: B--37-2 081722

Date Collected: 08/17/22 10:20
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 22:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 17:49	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 16:12	CH	EET MID

Client Sample ID: B-38-2 081722

Date Collected: 08/17/22 10:25
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 22:57	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 18:09	AJ	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-38-2 081722
Date Collected: 08/17/22 10:25
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 16:20	CH	EET MID

Client Sample ID: SW-12-1 081722
Date Collected: 08/17/22 10:30
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 23:17	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 18:29	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 16:28	CH	EET MID

Client Sample ID: SW-13-1 081722
Date Collected: 08/17/22 10:35
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 23:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 18:50	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 16:36	CH	EET MID

Client Sample ID: SW-14-1 081722
Date Collected: 08/17/22 11:10
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/30/22 23:58	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 19:11	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 16:44	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-15-1 081722

Lab Sample ID: 890-2764-19
Matrix: Solid
Date Collected: 08/17/22 11:15
Date Received: 08/17/22 12:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/31/22 02:02	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 19:31	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		5			32509	08/19/22 16:52	CH	EET MID

Client Sample ID: B-39-2 081722

Lab Sample ID: 890-2764-20
Matrix: Solid
Date Collected: 08/17/22 11:20
Date Received: 08/17/22 12:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/31/22 02:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32732	08/23/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1			32719	08/23/22 19:51	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32414	08/18/22 10:20	CH	EET MID
Soluble	Analysis	300.0		1			32509	08/19/22 16:59	CH	EET MID

Client Sample ID: B-40-2 081722

Lab Sample ID: 890-2764-21
Matrix: Solid
Date Collected: 08/17/22 11:25
Date Received: 08/17/22 12:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/31/22 02:43	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32774	08/23/22 10:46	DM	EET MID
Total/NA	Analysis	8015B NM		1			32808	08/24/22 22:02	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32421	08/18/22 10:38	CH	EET MID
Soluble	Analysis	300.0		1			32603	08/19/22 20:58	CH	EET MID

Client Sample ID: B-41-2 081722

Lab Sample ID: 890-2764-22
Matrix: Solid
Date Collected: 08/17/22 11:30
Date Received: 08/17/22 12:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/31/22 03:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-41-2 081722
Date Collected: 08/17/22 11:30
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32774	08/23/22 10:46	DM	EET MID
Total/NA	Analysis	8015B NM		1			32808	08/24/22 22:24	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32421	08/18/22 10:38	CH	EET MID
Soluble	Analysis	300.0		1			32603	08/19/22 21:08	CH	EET MID

Client Sample ID: B-42-2 081722
Date Collected: 08/17/22 11:35
Date Received: 08/17/22 12:52

Lab Sample ID: 890-2764-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	33191	08/29/22 10:39	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33298	08/31/22 03:24	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33267	08/29/22 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			32831	08/24/22 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32774	08/23/22 10:46	DM	EET MID
Total/NA	Analysis	8015B NM		1			32808	08/24/22 22:46	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32421	08/18/22 10:38	CH	EET MID
Soluble	Analysis	300.0		1			32603	08/19/22 21:17	CH	EET MID

Client Sample ID: B-11-3 081722
Date Collected: 08/17/22 14:00
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 06:48	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33337	08/30/22 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			32777	08/23/22 11:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32608	08/22/22 09:31	AM	EET MID
Total/NA	Analysis	8015B NM		1			32586	08/22/22 14:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32510	08/19/22 12:50	SMC	EET MID
Soluble	Analysis	300.0		1			32655	08/22/22 11:58	CH	EET MID

Client Sample ID: SW-6-2 081722
Date Collected: 08/17/22 14:05
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 07:08	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33337	08/30/22 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			32777	08/23/22 11:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32608	08/22/22 09:31	AM	EET MID
Total/NA	Analysis	8015B NM		1			32586	08/22/22 14:49	SM	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: SW-6-2 081722

Date Collected: 08/17/22 14:05
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	32510	08/19/22 12:50	SMC	EET MID
Soluble	Analysis	300.0		1			32655	08/22/22 12:40	CH	EET MID

Client Sample ID: SW-7-2 081722

Date Collected: 08/17/22 14:10
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 07:29	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33337	08/30/22 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			32777	08/23/22 11:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32608	08/22/22 09:31	AM	EET MID
Total/NA	Analysis	8015B NM		1			32586	08/22/22 15:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32510	08/19/22 12:50	SMC	EET MID
Soluble	Analysis	300.0		1			32655	08/22/22 12:48	CH	EET MID

Client Sample ID: SW-5-1 081722

Date Collected: 08/18/22 11:30
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 10:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33337	08/30/22 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			32777	08/23/22 11:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32608	08/22/22 09:31	AM	EET MID
Total/NA	Analysis	8015B NM		1			32586	08/22/22 15:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32510	08/19/22 12:50	SMC	EET MID
Soluble	Analysis	300.0		1			32655	08/22/22 12:56	CH	EET MID

Client Sample ID: B-42-2 081722

Date Collected: 08/18/22 11:35
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 10:43	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33337	08/30/22 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			32777	08/23/22 11:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32608	08/22/22 09:31	AM	EET MID
Total/NA	Analysis	8015B NM		1			32586	08/22/22 15:54	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32510	08/19/22 12:50	SMC	EET MID
Soluble	Analysis	300.0		1			32655	08/22/22 13:04	CH	EET MID

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Client Sample ID: B-43-2 081722

Date Collected: 08/18/22 11:40
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 11:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33337	08/30/22 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			32777	08/23/22 11:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32608	08/22/22 09:31	AM	EET MID
Total/NA	Analysis	8015B NM		1			32586	08/22/22 16:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32510	08/19/22 12:50	SMC	EET MID
Soluble	Analysis	300.0		1			32655	08/22/22 13:27	CH	EET MID

Client Sample ID: Sw-16-1 081722

Date Collected: 08/18/22 11:45
Date Received: 08/18/22 13:15

Lab Sample ID: 890-2779-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 11:24	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33337	08/30/22 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			32777	08/23/22 11:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32608	08/22/22 09:31	AM	EET MID
Total/NA	Analysis	8015B NM		1			32586	08/22/22 17:10	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32510	08/19/22 12:50	SMC	EET MID
Soluble	Analysis	300.0		1			32655	08/22/22 13:35	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga 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	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-18047-1	B-12-2'-081122	Solid	08/11/22 14:30	08/12/22 14:15	
880-18047-2	B-13-2'-081122	Solid	08/11/22 14:35	08/12/22 14:15	
880-18047-3	B-14-2'-081122	Solid	08/11/22 14:40	08/12/22 14:15	
880-18047-4	B-15-2'-081122	Solid	08/11/22 14:45	08/12/22 14:15	
880-18047-5	B-16-2'-081122	Solid	08/11/22 14:50	08/12/22 14:15	
880-18047-6	B-17-2'-081122	Solid	08/11/22 14:55	08/12/22 14:15	
880-18047-7	B-18-2'-081122	Solid	08/11/22 15:00	08/12/22 14:15	
880-18525-1	SW-9-1'-082322	Solid	08/23/22 10:00	08/25/22 08:50	
880-18525-2	SW-5-1'-082322	Solid	08/23/22 10:05	08/25/22 08:50	
880-18525-3	SW-14-1'-082322	Solid	08/23/22 10:10	08/25/22 08:50	
880-18525-4	B-33-3'-082322	Solid	08/23/22 10:15	08/25/22 08:50	
880-18525-5	B-34-3'-082322	Solid	08/23/22 10:20	08/25/22 08:50	
880-18525-6	B-35-3'-082322	Solid	08/23/22 10:25	08/25/22 08:50	
880-18525-7	SW-17-1'-082322	Solid	08/23/22 13:00	08/25/22 08:50	
880-18525-8	SW-18-1'-082322	Solid	08/23/22 13:05	08/25/22 08:50	
880-18525-9	SW-19-1'-082322	Solid	08/23/22 13:10	08/25/22 08:50	
890-2741-1	B-1-2'-081022	Solid	08/10/22 14:00	08/11/22 12:37	2
890-2741-2	SW-1-1'-081022	Solid	08/10/22 14:05	08/11/22 12:37	1
890-2741-3	SW-2-1'-081022	Solid	08/10/22 14:10	08/11/22 12:37	1
890-2741-4	SW-3-1'-081022	Solid	08/10/22 14:15	08/11/22 12:37	1
890-2741-5	B-2-2'-081022	Solid	08/10/22 14:20	08/11/22 12:37	2
890-2741-6	SW-4-1'-081122	Solid	08/11/22 09:05	08/11/22 12:37	1
890-2741-7	B-3-2'-081122	Solid	08/11/22 09:10	08/11/22 12:37	2
890-2741-8	B-4-2'-081122	Solid	08/11/22 09:15	08/11/22 12:37	2
890-2741-9	B-5-2'-081122	Solid	08/11/22 09:20	08/11/22 12:37	2
890-2741-10	B-6-2'-081122	Solid	08/11/22 09:25	08/11/22 12:37	2
890-2741-11	B-7-2'081122	Solid	08/11/22 09:30	08/11/22 12:37	2
890-2741-12	B-8-2'-081122	Solid	08/11/22 09:35	08/11/22 12:37	2
890-2741-13	B-9-2'-081122	Solid	08/11/22 09:40	08/11/22 12:37	2
890-2741-14	B-10-2'-081122	Solid	08/11/22 10:30	08/11/22 12:37	2
890-2741-15	B-11-2'-081122	Solid	08/11/22 10:35	08/11/22 12:37	2
890-2741-16	SW-6-1'-081122	Solid	08/11/22 11:30	08/11/22 12:37	1
890-2741-17	SW-7-1'-081122	Solid	08/11/22 11:35	08/11/22 12:37	1
890-2753-1	SW-8- 081522	Solid	08/15/22 10:15	08/15/22 12:40	
890-2753-2	B-19-2 081522	Solid	08/15/22 10:20	08/15/22 12:40	
890-2753-3	B-20-2 081522	Solid	08/15/22 10:25	08/15/22 12:40	
890-2753-4	B-22-2 081522	Solid	08/15/22 11:05	08/15/22 12:40	
890-2753-5	B-23-2 081522	Solid	08/15/22 11:10	08/15/22 12:40	
890-2753-6	B-24-2 081522	Solid	08/15/22 11:15	08/15/22 12:40	
890-2753-7	SW-9-1 081522	Solid	08/15/22 11:20	08/15/22 12:40	
890-2753-8	SW-10-1 081522	Solid	08/15/22 11:25	08/15/22 12:40	
890-2753-9	B-21-2 081522	Solid	08/15/22 11:30	08/15/22 12:40	
890-2764-1	B-25-2 081622	Solid	08/16/22 15:00	08/17/22 12:52	
890-2764-2	B--26-2 081622	Solid	08/16/22 15:05	08/17/22 12:52	
890-2764-3	B-27-2 081622	Solid	08/16/22 15:10	08/17/22 12:52	
890-2764-4	B-28-2 081622	Solid	08/16/22 15:15	08/17/22 12:52	
890-2764-5	B-29-2 081622	Solid	08/16/22 15:20	08/17/22 12:52	
890-2764-6	B-30-2 081622	Solid	08/16/22 15:25	08/17/22 12:52	
890-2764-7	B-31-2 081622	Solid	08/16/22 15:30	08/17/22 12:52	
890-2764-8	B-32-2 081622	Solid	08/16/22 15:35	08/17/22 12:52	
890-2764-9	B-33-2 081622	Solid	08/16/22 15:40	08/17/22 12:52	
890-2764-10	SW-11-1 081722	Solid	08/16/22 15:45	08/17/22 12:52	
890-2764-11	B-34-2 081722	Solid	08/17/22 10:00	08/17/22 12:52	
890-2764-12	B-35-2 081722	Solid	08/17/22 10:10	08/17/22 12:52	

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hambone Fed 8 CTB 30133377

Job ID: 880-18525-1
SDG: Malaga NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2764-13	B-36-2 081722	Solid	08/17/22 10:15	08/17/22 12:52	
890-2764-14	B--37-2 081722	Solid	08/17/22 10:20	08/17/22 12:52	
890-2764-15	B-38-2 081722	Solid	08/17/22 10:25	08/17/22 12:52	
890-2764-16	SW-12-1 081722	Solid	08/17/22 10:30	08/17/22 12:52	
890-2764-17	SW-13-1 081722	Solid	08/17/22 10:35	08/17/22 12:52	
890-2764-18	SW-14-1 081722	Solid	08/17/22 11:10	08/17/22 12:52	
890-2764-19	SW-15-1 081722	Solid	08/17/22 11:15	08/17/22 12:52	
890-2764-20	B-39-2 081722	Solid	08/17/22 11:20	08/17/22 12:52	
890-2764-21	B-40-2 081722	Solid	08/17/22 11:25	08/17/22 12:52	
890-2764-22	B-41-2 081722	Solid	08/17/22 11:30	08/17/22 12:52	
890-2764-23	B-42-2 081722	Solid	08/17/22 11:35	08/17/22 12:52	
890-2779-1	B-11-3 081722	Solid	08/17/22 14:00	08/18/22 13:15	
890-2779-2	SW-6-2 081722	Solid	08/17/22 14:05	08/18/22 13:15	
890-2779-3	SW-7-2 081722	Solid	08/17/22 14:10	08/18/22 13:15	
890-2779-4	SW-5-1 081722	Solid	08/18/22 11:30	08/18/22 13:15	
890-2779-5	B-42-2 081722	Solid	08/18/22 11:35	08/18/22 13:15	
890-2779-6	B-43-2 081722	Solid	08/18/22 11:40	08/18/22 13:15	
890-2779-7	Sw-16-1 081722	Solid	08/18/22 11:45	08/18/22 13:15	

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

18047

Client Information	Sampler: Dustin Mckim	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 890-886-34 3
Client Contact: Scott Foord	Phone: 432-296-9547	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: ARCADIS U S Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 24hr TAT			
State Zip: TX 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william.foord@arcadis.com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Malaga, NM	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J - DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of containers	Special Instructions/Note
			Preservation Code:				N		
B-12-2'-081122	8-11-22	1430	C	Solid			X		
B-13-2'-081122		1435	C	Solid			X		
B-14-2'-081122		1440	C	Solid			X		
B-15-2'-081122		1445	C	Solid			X		
B-16-2'-081122		1450	C	Solid			X		
B-17-2'-081122		1455	C	Solid			X		
B-18-2'-081122		1500	C	Solid			X		
				Solid					
				Solid					
				Solid					
				Solid					

880-18047 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		8-12-22 1415	Arcadis		8-12-22 14:15	
	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 2.4 | 2.6

Ver: 01/16/2019

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Carlsbad NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

18525

Client Information	Sampler: Justin Nix	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 890-886-34 8
Client Contact: Scott Foord	Phone: 432-296-9541	E-Mail: John Builes@et eurofinsus com	State of Origin: NM	Page: Page 1 of 1
Company: ARCADIS U S Inc	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): CL 24hr TRI/ATEK Standard			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william foord@arcadis com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Maljamar, NM	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM 8021B	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N		
Sw-9-1' - 082322	8-23-22	1000	C	Solid			X	1	
Sw-5-1' - 082322		1005		Solid					
Sw-14-1' - 082322		1010		Solid					
B-33-3' - 082322		1015		Solid					
B-34-3' - 082322		1020		Solid					
B-35-3' - 082322		1025		Solid					
Sw-17-1' - 082322		1300		Solid					
Sw-18-1' - 082322		1305		Solid					
(2) ~~SS-6~~ Sw-19-1' - 082322		1310		Solid					

880-18525 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		8-25-22 8:30	Arcadis		8/25/22 8:30	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks	1.2 | 4

Ver: 01/16/2019

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Justin Mann	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-886-34.2
Client Contact: Scott Foord	Phone: 432-296-9547	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 2
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested: ASAP			
City: Midland	TAT Requested (days): 24 hour			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william.foord@arcadis.com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Malaga, NM	SSOW#:			

Analysis Requested

890-2741 Chain of Custody

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
K - EDTA
L - EDA
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N		
B-1 - 2' - 081022	8-10-22	1400	C	Solid			X	1	9.2/9.0 TNM-007 -0.2
Sw-1 - 1' - 081022		1405	C	Solid					
Sw-2 - 1' - 081022		1410	C	Solid					
Sw-3 - 1' - 081022		1415	C	Solid					
B-2 - 2' - 081022		1420	C	Solid					
Sw-4 - 1' - 081122	8-11-22	905	C	Solid					
B-3 - 2' - 081122		910	C	Solid					
B-4 - 2' - 081122		915	C	Solid					
B-5 - 2' - 081122		920	C	Solid					
B-6 - 2' - 081122		925	C	Solid					
B-7 - 2' - 081122		930	C	Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	8-11-22 1200	Arcadis		8.11.22 12:03	
Relinquished by: Amanda Stelt	8/11/22 12:37				
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-886-34.1
Client Contact: Scott Foord	Phone: 432-296-9547	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 2 of 2
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested: ASAP			
City: Midland	TAT Requested (days): 24hr			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william.foord@arcadis.com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Malaga, NM	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B-8-2'-081122	8-11-22	935	C	Solid			X	1	
B-9-2'-081122		940		Solid					
B-10-2'-081122		1030		Solid					
B-11-2'-081122		1035		Solid					
SW-6-1'-081122		1130		Solid					
SW-7-1'-081122		1135		Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 8-11-22 1200	Company: Arcadis	Received by:	Date/Time: 8.11.22 12:03	Company	
Relinquished by: Amanda Stuff	Date/Time: 8-11-22 12:38	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-886-34.4
Client Contact: Scott Foord	Phone: 432-296-4547	E Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): BTEX, TPH Standard Cl- 24hrs			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william.foord@arcadis.com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Malaga, NM	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

890-2753 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of	Special Instructions/Note:
			Preservation Code:				N		
SW-8-1'-081522	8-15-22	1015	C	Solid			X		
B-19-2'-081522		1020		Solid					
B-20-2'-081522		1025		Solid					
B-22-2'-081522		1105		Solid					
B-23-2'-081522		1110		Solid					
B-24-2'-081522		1115		Solid					
SW-9-1'-081522		1120		Solid					
SW-10-1'-081522		1125		Solid					
B-21-2'-081522		1130		Solid					
				Solid					
				Solid					
				Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8-15-22 1210	Company	Received by:	Date/Time: 8.15.22 1215	Company
Relinquished by:	Date/Time: 8-15-22 1240	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 23.8 / 23.6
TRM-007

Ver: 01/16/2019

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Justin Kirk	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-886-34.5
Client Contact: Scott Foord	Phone: 432-296-9547	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 2
Company: ARCADIS U.S., Inc.	PWSID:			Job #:

Address: 1004 North Big Spring Suite 300	Due Date Requested:	Analysis Requested
City: Midland	TAT Requested (days): 24hr - Cl- only Standard TPH, BTEX	
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No	
Phone:	PO #: Purchase Order not required	
Email: william.foord@arcadis.com	WO #:	
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100	
Site: Malaga, NM	SSOW#:	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

890-2764 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of	Special Instructions/Note:
		Preservation Code:					N		
B-25-2'-081622	8-16-22	1520	C	Solid			X	1	
B-26-2'-081622		1525		Solid					
B-27-2'-081622		1510		Solid					
B-28-2'-081622		1515		Solid					
B-29-2'-081622		1520		Solid					
B-30-2'-081622		1525		Solid					
B-31-2'-081622		1530		Solid					
B-32-2'-081622		1535		Solid					
B-33-2'-081622		1540		Solid					
B Sw-11-1'-081622		1545		Solid					
B-34-2'-081722	8-17-22	1000		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		8-17-22 1210	Arcadis			
2		8/17/22 1252				
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 12.2 / 12.0

TNM-007

Ver: 01/16/2019

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Justyn Kirk	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-886-34.6
Client Contact: Scott Foord	Phone: 432-296-9737	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 8 of 3
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 01- 24hr Standard BTEX, TPH			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william.foord@arcadis.com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Malaga, NM	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of containers	Special Instructions/Note.
		Preservation Code:					N		
B-35-2'-081722	8-17-22	1010	C	Solid			X	1	
B-36-2'-081722		1015		Solid					
B-37-2'-081722		1020		Solid					
B-38-2'-081722		1025		Solid					
SW-12-1'-081722		1030		Solid					
SW-13-1'-081722		1035		Solid					
SW-14-1'-081722		1110		Solid					
SW-15-1'-081722		1115		Solid					
B-39-2'-081722		1120		Solid					
B-40-2'-081722		1125		Solid					
B-41-2'-081722		1130		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		8-17-22 1140	Arcadis		8.17.22 1215	
	Relinquished by: Amanda Stuff	Date/Time: 8/17/22 1252	Company	Received by:	Date/Time:	Company
	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 12.2/12.0

TAM-007

Ver: 01/16/2019

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Justin Nixon	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-886-34.7
Client Contact: Scott Foord	Phone: 432-296-9547	E-Mail: John.Builes@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 24hr cl- Stand BTEX, TPH			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william.foord@arcadis.com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Malaga, NM	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	X	
BH2-2--081122	8/7/22	1135	C	Solid			X	1	
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/7/22 1210	Company: Arcadis	Received by:	Date/Time: 8.17.22 1215	Company
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
Relinquished by: Amanda Stuck	Date/Time: 8/17/22 1252	Company:	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 12.2/12.0

TAM-007

Ver: 01/16/2019

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone (575) 988-3199 Phone (575) 988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Esthy Mtz	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-886-34.8
Client Contact: Scott Foord	Phone: 432-296-9547	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: NM	Page: Page 8 of 1
Company: ARCADIS U.S., Inc.	PWSID			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): C1- 24hr TAT Standard BTEX/TPH			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: william.foord@arcadis.com	WO #:			
Project Name: Hambone Fed 8 CTB 30133377	Project #: 89000100			
Site: Malaga, NM	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

890-2779 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D, 8015MOD_NM, 8021B	Total Number of	Special Instructions/Note:
			Preservation Code:				N		
B-11-3'-081722	8-17-22	1400	C	Solid			X	1	
SW-6-2'-081722		1405		Solid					
SW-7-2'-081722		1410		Solid					
SW-5-1'-081722	8-18-22	1130		Solid					
B-42-2'-081722		1135		Solid					
B-43-2'-081722		1140		Solid					
SW-16-1'-081722		1145		Solid			X		
				Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		8-18-22 1245	Arcadis		8.18.22 1246	
2		8-18-22 1315				
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: ~~15.6~~ / 15.4
15.6 TNM-007

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 880-18525-1
SDG Number: Malaga NM

Login Number: 18525
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

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

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

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 192306
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. The OCD will not close a release, where contaminants are left in place, due to close proximity to equipment. The incident will only be closed after all contaminated soil has been remediated to meet OCD Spill Rule Standards.	3/13/2023