ENSOLUM

September 24, 2024

District III
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Closure Request
KWU 2309-19K Water Recycling Facility
Incident Number nAPP2419442584
San Juan County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Enduring Resources (Enduring), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the KWU 2309-19K Water Recycling Facilty (Site) in San Juan County, New Mexico. The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil resulting from a release of produced water at the Site. Based on the excavation activities and analytical results from the soil sampling events, Enduring is submitting this *Closure Request*, describing remediation that has occurred and requesting closure.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 19, Township 23 North, Range 9 West, in San Juan County, New Mexico (36.210825° N, -107.831105° W) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) land.

On July 11, 2024, an inlet water filter housing failed due to internal corrosion and resulted in a release of approximately 8 barrels (bbls) of produced water on the pad surface around pump housing structures and separation equipment. Upon discovery, the water filter was isolated and Enduring Operations began cleanup activities. Enduring reported the release via New Mexico Oil Conservation Division (NMOCD) and submitted a Form C-141 Application (Form C-141) on July 12, 2024. The release was assigned Incident Number NAPP2419442584 on July 12, 2024.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to determine the applicability of Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is a test well drilled on pad KWU 789H, approximately 2,900 feet south of the Site. The elevation of the KWU 789H Site is 6,612 feet above sea level, while the Site elevation is 6,635 feet above sea level. On September 18, 2018, the test well KWU2309-30D was drilled to a depth of 100 feet bgs with groundwater level measured on September 19, 2018 at 86 feet bgs. Elevation at the water well

is approximately 23 feet lower than the Site elevation. Therefore, the estimated depth to groundwtaer at the Site is greater than 100 feet bgs. The KWU 789H Pad test well used for depth to groundwater determination is presented on Figure 1. The referenced well record is included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 1,760 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The nearest wetlend is approximently 1,754 feet from the Site. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (no potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site characterization, the following Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) and TPH diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

Enduring responded by excavating impacted soil from the release area as indicated by visible staining. The excavation was completed to depths ranging from 1-foot to 3 feet bgs. Photographic documentation of the excavation is included in Attachment 2. Following removal of the impacted soil, Ensolum collected 5-point composite soil samples at least every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS12 were collected from the floor of the excavation from depths ranging from 1-foot to 3 feet bgs. Composite soil samples SW01 through SW12 were collected from the sidewalls of the excavation from depths ranging from the ground surface to 3 feet bgs. Discrete soil samples BH01-06 were collected at surface and 4 feet bgs to define the lateral extent of the release impacts. Discrete samples BH06 through BH08 were collected at 4 feet bgs within the excavation to demonstrate the vertical extent of the release impacts. The excavation extent and excavation soil sample locations are presented in Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Environmental Testing Laboratories in Albuquerque, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-motor oil range organics (MRO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

The total excavation area measured approximately 2,000 square feet, excluding surrounding structures. A total of approximately 90 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Envirotech, Inc. Landfarm in Hilltop, New Mexico.

Laboratory analytical results for all confirmation soil samples indicated that all COCs were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 3.

CLOSURE REQUEST

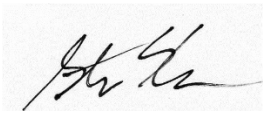
Excavation activities were conducted at the Site to address the July 11, 2024 release of produced water. Laboratory analytical results for the confirmation soil samples, collected from the final excavation extent, indicated that all COCs were compliant with the Site Closure Requirements. Additionally, no BTEX compounds were detected in any samples collected at the Site. Soil samples collected beyond the extend of the excavation have both laterally and vertically delineated chloride concentrations to the reclamation requirement. Based on the soil sample analytical results, no further remediation is required. Enduring has backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing Site conditions. Since the release occurred on pad, reclamation will be completed upon plugging and abandonment of the well.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. Enduring believes these remedial actions are protective of human health, the environment, and groundwater. As such, Enduring respectfully requests closure of this incident. If approved, Enduring requests a status update to Remediation Report Approved, Pending submission of Re-Vegetation Report for Incident nAPP2419442584.

If you have any questions or comments, please contact us at 303-601-1420 (dburns@ensolum.com) or 303-913-1350 (skahn@ensolum.com).

Sincerely,
Ensolum, LLC

Danny Burns
Senior Geologist



Steve Kahn, P.E.
Senior Managing Engineer

cc: Bureau of Land Management

Appendices:

Figure 1	Site Receptor Map
Figure 2	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Photographic Log
Attachment 3	Laboratory Analytical Reports & Chain-of-Custody Documentation

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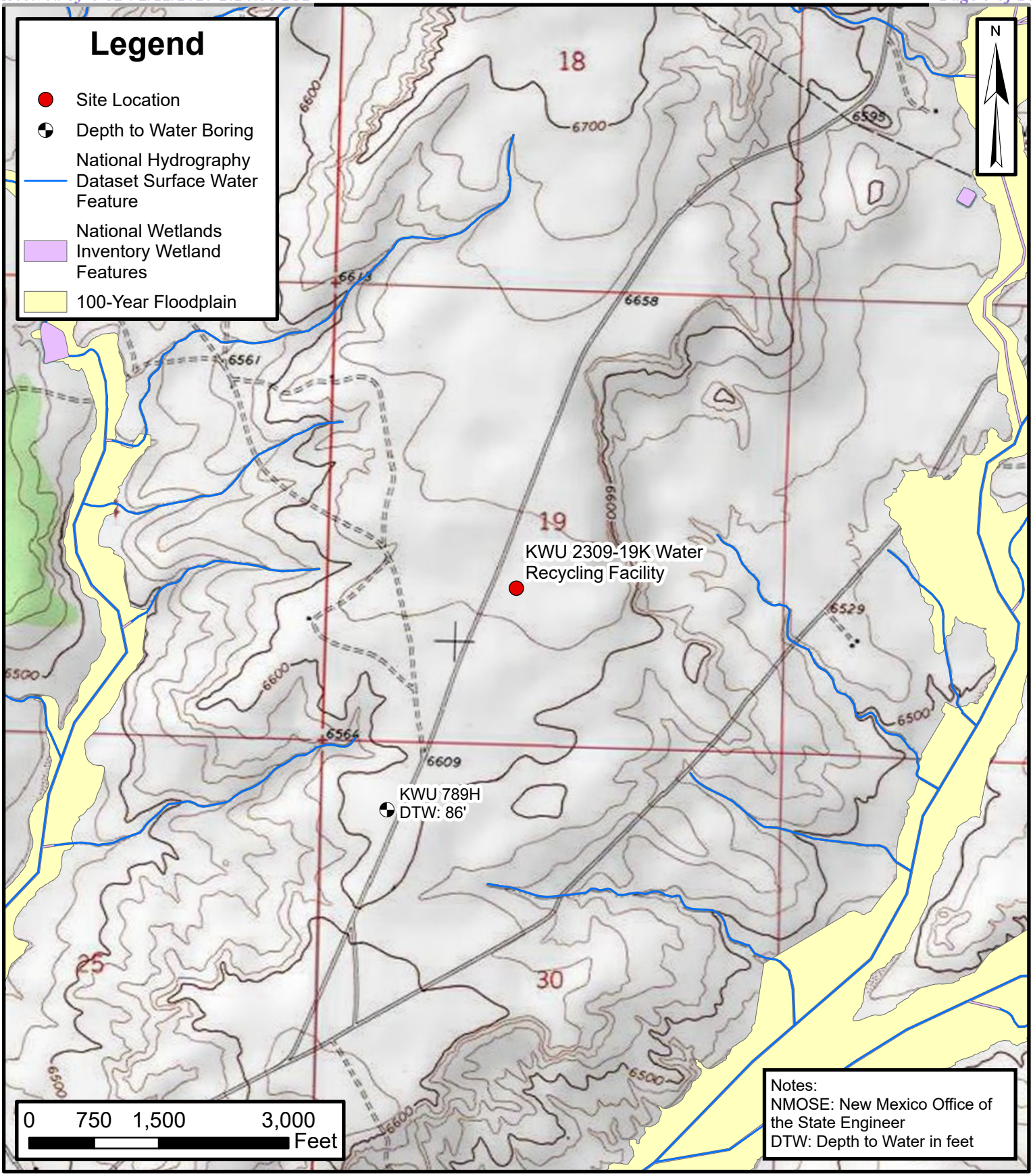
FIGURES



Default Folder: C:\Users\Wes Weichert\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Enduring\KWU 2309-19K Water Supply Well

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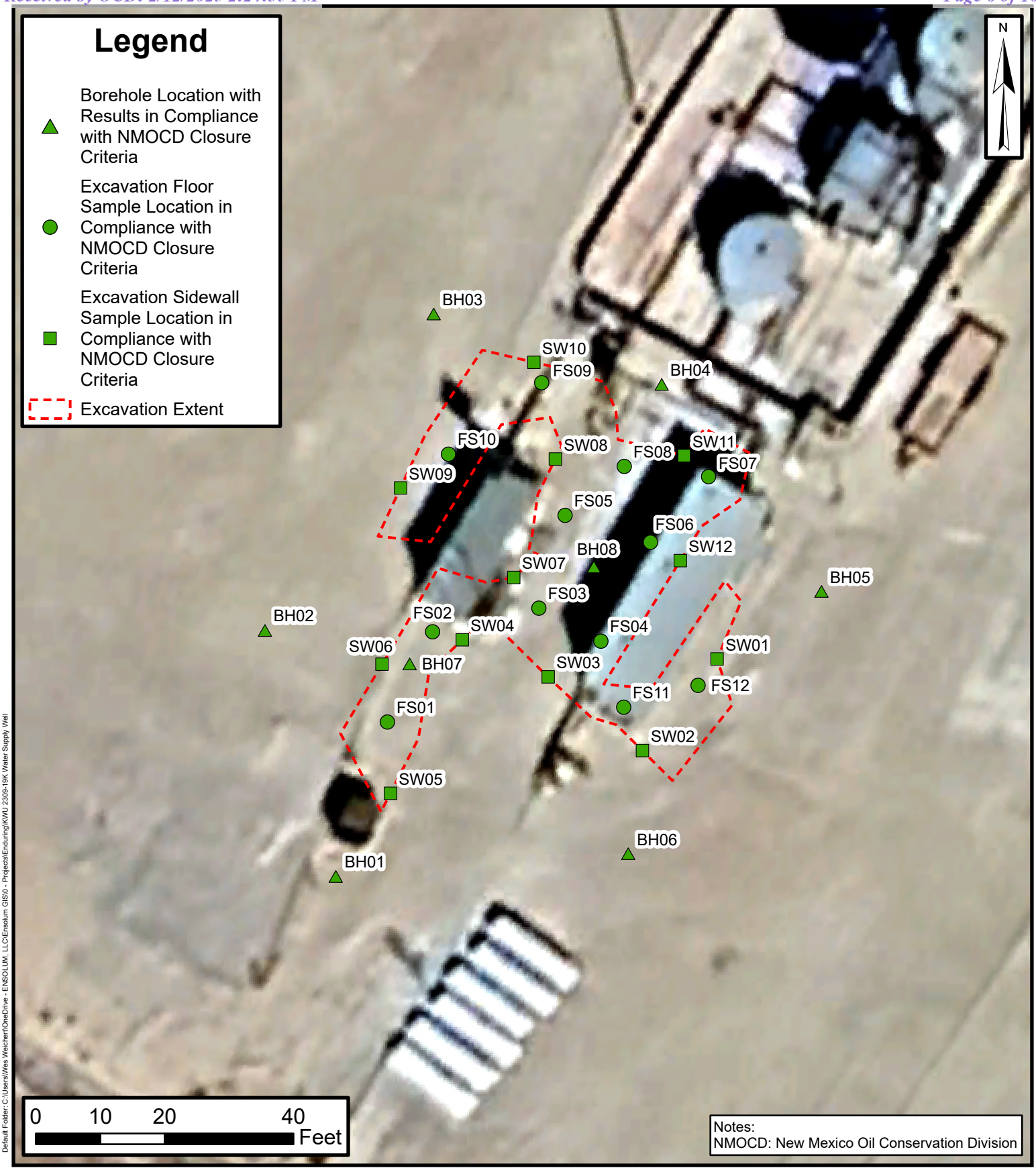
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

KWU 2309-19K Water Recycling Facility
Enduring Resources, LLC

36.210825, -107.831105
San Juan County, New Mexico

FIGURE
1



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ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Soil Sample Locations

KWU 2309-19K Water Recycling Facility
Enduring Resources, LLC

36.210825, -107.831105
San Juan County, New Mexico

FIGURE
2

Sources: Google Earth 2023

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TABLE

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
KWU 2309-19K Water Recycling Facility
Enduring Resources, LLC
San Juan County, New Mexico

Sample Identification	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	TPH DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			**10**	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
Delineation Samples													
BH01 @ 0'	7/29/2024	0	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<9.2	<46	<60
BH01 @ 4'	7/29/2024	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<47	<9.3	<47	<60
BH02 @ 0'	7/29/2024	0	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.6	<48	<9.6	<48	<60
BH02 @ 4'	7/29/2024	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.3	<46	<9.3	<46	<60
BH03 @ 0'	7/29/2024	0	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.3	<47	<9.3	<47	<60
BH03 @ 4'	7/29/2024	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<8.9	<44	<8.9	<44	<60
BH04 @ 0'	7/29/2024	0	<0.025	<0.050	<0.050	<0.10	<0.010	<5.0	<9.9	<49	<9.9	<49	<60
BH04 @ 4'	7/29/2024	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<9.8	<49	<60
BH05 @ 0'	7/29/2024	0	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.3	<46	<9.3	<46	<60
BH05 @ 4'	7/29/2024	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<48	<9.7	<48	<60
BH06 @ 0'	7/29/2024	0	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<8.8	<44	<8.8	<44	<60
BH06 @ 4'	7/29/2024	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.3	<46	<9.3	<46	<60
BH07 @ 4'	7/29/2024	4	<0.025	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<9.8	<49	<60
BH08 @ 4'	7/29/2024	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<46	<9.3	<46	<60
Excavation Samples													
FS01	7/29/2024	3	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<9.7	<49	9,900
FS02	7/29/2024	3	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<9.8	<49	9,400
FS03	7/29/2024	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	22	<49	22	22	9,200
FS04	7/29/2024	2	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	11	<43	11	11	9,100
FS05	7/29/2024	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	70	<48	70	70	9,000
FS06	7/29/2024	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	84	<43	84	84	9,000
FS07	7/29/2024	1.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	110	<43	110	110	8,200
FS08	7/29/2024	1.5	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	70	<48	70	70	8,100
FS09	7/29/2024	1.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	21	<47	21	21	8,600
FS10	7/29/2024	1.5	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	110	60	110	170	7,300
FS11	7/29/2024	1	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	20	<48	20	20	6,400
FS12	7/29/2024	1	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	40	<47	40	40	8,100
SW01	7/29/2024	0-1	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	19	<47	19	19	2,900
SW02	7/29/2024	0-1	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	60	<47	60	60	3,000
SW03	7/29/2024	0-2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	50	<49	50	50	3,100
SW04	7/29/2024	0-3	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	37	<45	37	37	3,000
SW05	7/29/2024	0-3	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	73	<43	73	73	3,100
SW06	7/29/2024	0-3	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	330	130	330	460	2,400
SW07	7/29/2024	0-2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	470	230	470	700	2,300
SW08	7/29/2024	0-2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	58	<43	58	58	1,900
SW09	7/29/2024	0-1.5	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	310	120	310	430	2,900
SW10	7/29/2024	0-1.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	430	190	430	620	2,100

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
KWU 2309-19K Water Recycling Facility
Enduring Resources, LLC
San Juan County, New Mexico

Sample Identification	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	TPH DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			**10**	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
SW11	7/29/2024	0-1.5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	430	200	430	630	1,900
SW12	7/29/2024	0-2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	540	240	540	780	2,000

Notes:

bgs: Below ground surface
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
mg/kg: Milligrams per kilogram
NE: Not Established
NMOCD: New Mexico Oil Conservation Division
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
MRO: Motor Oil/Lube Oil Range Organics
TPH: Total Petroleum Hydrocarbon
': Feet
<: Indicates result less than the stated laboratory reporting limit (RL)
*Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release*

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ATTACHMENT 1

Referenced Well Records

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

NMOCD
JAN 11 2019
DISTRICT III

Form C-147
Revised April 3, 2017

Recycling Facility and/or Recycling Containment

Type of Facility: ☑ Recycling Facility ☑ Recycling Containment*

Type of action: ☑ Permit ☑ Registration
☐ Modification ☐ Extension
☐ Closure ☐ Other (explain) _____

pCS1902229621

*** At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.**

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Enduring Resources IV, LLC (For multiple operators attach page with information) OGRID #: 372286
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name (include API# if associated with a well): KWU 2309-19K
OCD Permit Number: 3RF-43 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr NESW Section 19 Township 23N Range 9W County: San Juan
Surface Owner: ☑ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 36.210825 Longitude -107.831105 NAD83
Proposed Use: ☒ Drilling* ☒ Completion* ☒ Production* ☐ Plugging *
The re-use of produced water may NOT be used until fresh water zones are cased and cemented
☐ Other, ***requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.***
☒ Fluid Storage
* Conditions of Approval Attached.
☒ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type _____
☐ Activity permitted under 19.15.36 NMAC explain type: _____ ☐ Other explain _____
☐ For multiple or additional recycling containments, attach design and location information of each containment
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: _____

3.
☑ **Recycling Containment:**
☑ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)
Center of Recycling Containment (if applicable): Latitude 36.210825 Longitude -107.831105 NAD83
☑ For multiple or additional recycling containments, attach design and location information of each containment
☐ Lined ☑ Liner type: Thickness 45 mil ☑ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☑ String-Reinforced
Liner Seams: ☑ Welded ☑ Factory ☐ Other _____ Volume: 213,698 bbl Dimensions: L 500' x W 240' x D 25'
☐ Recycling Containment Closure Completion Date: _____

104

4.

Bonding:

☑ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC **(These containments are limited to only the wells owned or operated by the owners of the containment.)**

☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond $_____ **(work on these facilities cannot commence until bonding amounts are approved)**

☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

Fencing:

☑ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify_____

6.

Signs:

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☑ Signed in compliance with 19.15.16.8 NMAC

7.

Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

☑ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation.

8.

Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

General siting

Ground water is less than 50 feet below the bottom of the Recycling Containment. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☑ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; written approval obtained from the municipality	☐ Yes ☑ No ☐ NA
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division	☐ Yes ☑ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map	☐ Yes ☑ No
Within a 100-year floodplain. FEMA map	☐ Yes ☑ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; visual inspection (certification) of the proposed site	☐ Yes ☑ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; aerial photo; satellite image	☐ Yes ☑ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site	☐ Yes ☑ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site	☐ Yes ☑ No

9.
Recycling Facility and/or Containment Checklist:
Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☑ Design Plan - based upon the appropriate requirements.
- ☑ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☑ Closure Plan - based upon the appropriate requirements.
- ☑ Site Specific Groundwater Data -
- ☑ Siting Criteria Compliance Demonstrations –
- ☑ **Certify that notice of the C-147 (only) has been sent to the surface owner(s)**

10.
Operator Application Certification:
I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Andrea Felix Title: Regulatory Manager
Signature: Date: 1-11-2019
e-mail address: afelix@enduringresources.com Telephone: (505) 386-8205

11.
OCD Representative Signature: **Approval Date:** 1/22/19
Title: Environmental Spec. **OCD Permit Number:** 3RF-43
☐ OCD Conditions
☒ Additional OCD Conditions on Attachment Emailed 1/22/19

MO-TE DRILLING, INC.

DAY TUES

DRILLER Jeremy | LEFT TOWN | ARRIVED FIELD

HELPER Kasey | LEFT FIELD | ARRIVED TOWN

HELPER | TOTAL FOOTAGE TODAY

RIG NO. 212 DATE 9-18-18 CLIENT Enduring

BEGIN WORK ON HOLE NO. KWU2309-30D AT _____ FEET

BEGIN WORK ON HOLE NO. _____ AT _____ FEET

TIME FROM	TIME TO	ACTIVITY
		Latitude 36.203349
		Longitude -107.387349
8:30	9:30	Drive out to location
9:30	9:40	Rig up
9:40	10:00	Drill 6 1/4" Ø-50', no water
10:00	10:25	Drill 50'-100'
10:25	10:45	Rig down
10:45	11:45	Standby for water test
11:45		tested for water, no standing water. Dump soil only @ 86'
11:50		move off location
		Enduring & OCD to return to location tomorrow to recheck

BIT RECORD

SIZE & MAKE	SERIAL NO.	FOOTAGE

CIRCULATION MATERIAL

QUAN.	UNIT	MATERIAL

NO. OF LOADS OF WATER _____ SOURCE _____

san juan repr farm,nm Form 219-6

ENDURING RESOURCES
200 Energy Court • Farmington, NM 87401
Telephone (505) 636-9741 Fax (505) 334-1979

KWU 2309-30D

Ground Water Depth Confirmation

Day 2

Attendees:

Vanessa Fields	NMOCD
James McDaniel	Enduring Resources
Chad Snell	Enduring Resources

Day 1 Recap:
Damp soil only @86 feet when Mo-Te Drilling Rig 212 left location. Enduring & NMOCD will return to location on 9-19-2018 to recheck and confirm ground water depth.

Arrived at location at 9am boring was tagged at 86 feet deep before encountering damp soil, Vanessa advised NMOCD will go forward with drillers log of water encountered at 86 feet deep.

ENSOLUM

ATTACHMENT 2

Photographic Log

ENSOLUM

Photographic Log
Enduring Resources, LLC
KWU 2309-19K Water Recycling Facility
San Juan County, New Mexico

Photograph: 1 Date: 7/29/2024
Description: Final excavation extent
View: South

Photograph: 2 Date: 7/29/2024
Description: Final excavation extent
View: East

Photograph: 3 Date: 7/29/2024
Description: Final excavation extent
View: Southeast

Photograph: 4 Date: 7/29/2024
Description: Final excavation extent
View: North

ENSOLUM

Photographic Log
Enduring Resources, LLC
KWU 2309-19K Water Recycling Facility
San Juan County, New Mexico

Photograph: 5 Date: 7/29/2024
Description: Final completed backfill
View: Southeast

Photograph: 6 Date: 7/29/2024
Description: Final completed backfill
View: West

Photograph: 7 Date: 7/29/2024
Description: Final completed backfill
View: East

Photograph: 8 Date: 7/29/2024
Description: Final completed backfill
View: North

ENSOLUM

ATTACHMENT 3

Laboratory Analytical Reports & Chain-of-Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Danny Montoya
Enduring Resources
200 Energy Court
Farmington, New Mexico 87401

Generated 8/7/2024 10:49:17 AM

JOB DESCRIPTION

KWU 2309-19K

JOB NUMBER

885-8976-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
8/7/2024 10:49:17 AM

Authorized for release by
Catherine Upton, Project Manager
Catherine.upton@et.eurofinsus.com
(505)345-3975

Client: Enduring Resources
Project/Site: KWU 2309-19K

Laboratory Job ID: 885-8976-1

Table of Contents

Definitions/Glossary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Enduring Resources
Project: KWU 2309-19K

Job ID: 885-8976-1

Job ID: 885-8976-1 Eurofins Albuquerque

Job Narrative
885-8976-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/1/2024 6:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C.

Gasoline Range Organics
Surrogate recovery for the following sample(s) is outside the upper control limit due to co-elution with another analyte in the reference standard: LCS 885-9558/2-A, LCS 885-9578/2-A, 885-8976-1 MS/MSD, and 885-8976-21 MS/MSD. All analyte recoveries were within acceptance limits.

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

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

Diesel Range Organics
Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-9623 recovered above the upper control limit for Di-n-octyl phthalate (Surr) and Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. Any associated samples with detections were re-analyzed. Original LCS/MS/MSD were re-analyzed with passing CCV; data is reportable for this batch. 885-8976-32 re-analyzed to confirm original results.

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

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

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH01@0'

Date Collected: 07/29/24 12:00
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-1

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*08/01/24 09:35*	*08/02/24 11:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 11:00	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 11:00	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 11:00	1
Xylenes, Total	ND		0.099		mg/Kg		08/01/24 09:35	08/02/24 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*48 - 145*	*08/01/24 09:35*	*08/02/24 11:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		08/01/24 12:03	08/01/24 16:32	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		08/01/24 12:03	08/01/24 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*08/01/24 12:03*	*08/01/24 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 16:07	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH01@04'
Date Collected: 07/29/24 12:17
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-2
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*08/01/24 09:35*	*08/02/24 12:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 12:10	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 12:10	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 12:10	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 09:35	08/02/24 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*08/01/24 09:35*	*08/02/24 12:10*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		08/01/24 12:03	08/01/24 16:46	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		08/01/24 12:03	08/01/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*08/01/24 12:03*	*08/01/24 16:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 16:22	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH02@0'
Date Collected: 07/29/24 12:21
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-3
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 09:35	08/02/24 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*08/01/24 09:35*	*08/02/24 13:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 13:21	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 13:21	1
Toluene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 13:21	1
Xylenes, Total	ND		0.095		mg/Kg		08/01/24 09:35	08/02/24 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*08/01/24 09:35*	*08/02/24 13:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		08/01/24 12:03	08/01/24 17:00	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		08/01/24 12:03	08/01/24 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*08/01/24 12:03*	*08/01/24 17:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 16:37	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH02@4'
Date Collected: 07/29/24 12:33
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-4
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*08/01/24 09:35*	*08/02/24 13:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 13:45	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 13:45	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 13:45	1
Xylenes, Total	ND		0.099		mg/Kg		08/01/24 09:35	08/02/24 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*08/01/24 09:35*	*08/02/24 13:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		08/01/24 12:03	08/01/24 17:14	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		08/01/24 12:03	08/01/24 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*08/01/24 12:03*	*08/01/24 17:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 16:52	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH03@0'

Date Collected: 07/29/24 12:37
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-5

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*08/01/24 09:35*	*08/02/24 14:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 14:09	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 14:09	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 14:09	1
Xylenes, Total	ND		0.097		mg/Kg		08/01/24 09:35	08/02/24 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*08/01/24 09:35*	*08/02/24 14:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		08/01/24 12:03	08/01/24 17:27	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		08/01/24 12:03	08/01/24 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*08/01/24 12:03*	*08/01/24 17:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 17:38	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH03@4'

Date Collected: 07/29/24 12:48
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-6

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*08/01/24 09:35*	*08/02/24 14:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 14:32	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 14:32	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 14:32	1
Xylenes, Total	ND		0.099		mg/Kg		08/01/24 09:35	08/02/24 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*08/01/24 09:35*	*08/02/24 14:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9		mg/Kg		08/01/24 12:03	08/01/24 17:41	1
Motor Oil Range Organics [C28-C40]	ND		44		mg/Kg		08/01/24 12:03	08/01/24 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*08/01/24 12:03*	*08/01/24 17:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 17:53	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH04@0'
Date Collected: 07/29/24 12:52
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-7
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		08/01/24 09:35	08/02/24 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*35 - 166*	*08/01/24 09:35*	*08/02/24 14:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 14:56	1
Ethylbenzene	ND		0.050		mg/Kg		08/01/24 09:35	08/02/24 14:56	1
Toluene	ND		0.050		mg/Kg		08/01/24 09:35	08/02/24 14:56	1
Xylenes, Total	ND		0.10		mg/Kg		08/01/24 09:35	08/02/24 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*08/01/24 09:35*	*08/02/24 14:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		08/01/24 12:03	08/01/24 17:55	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		08/01/24 12:03	08/01/24 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*08/01/24 12:03*	*08/01/24 17:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 18:08	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH04@4'

Date Collected: 07/29/24 13:04
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-8
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 09:35	08/02/24 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*08/01/24 09:35*	*08/02/24 15:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 15:20	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 15:20	1
Toluene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 15:20	1
Xylenes, Total	ND		0.095		mg/Kg		08/01/24 09:35	08/02/24 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*08/01/24 09:35*	*08/02/24 15:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		08/01/24 12:03	08/01/24 18:09	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		08/01/24 12:03	08/01/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*08/01/24 12:03*	*08/01/24 18:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 18:23	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH05@0'

Date Collected: 07/29/24 13:10
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-9

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 09:35	08/02/24 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*08/01/24 09:35*	*08/02/24 15:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 15:44	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 15:44	1
Toluene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 15:44	1
Xylenes, Total	ND		0.095		mg/Kg		08/01/24 09:35	08/02/24 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*08/01/24 09:35*	*08/02/24 15:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		08/01/24 12:03	08/01/24 18:22	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		08/01/24 12:03	08/01/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*08/01/24 12:03*	*08/01/24 18:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 18:38	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH05@4'

Date Collected: 07/29/24 13:18
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-10

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 09:35	08/02/24 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*08/01/24 09:35*	*08/02/24 16:07*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 16:07	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 16:07	1
Toluene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 16:07	1
Xylenes, Total	ND		0.097		mg/Kg		08/01/24 09:35	08/02/24 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*08/01/24 09:35*	*08/02/24 16:07*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		08/01/24 12:28	08/02/24 19:25	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		08/01/24 12:28	08/02/24 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*08/01/24 12:28*	*08/02/24 19:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 12:38	08/01/24 23:57	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH06@0'
Date Collected: 07/29/24 13:20
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-11
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*08/01/24 09:35*	*08/02/24 16:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 16:55	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 16:55	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 16:55	1
Xylenes, Total	ND		0.099		mg/Kg		08/01/24 09:35	08/02/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*08/01/24 09:35*	*08/02/24 16:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8		mg/Kg		08/01/24 12:28	08/02/24 13:46	1
Motor Oil Range Organics [C28-C40]	ND		44		mg/Kg		08/01/24 12:28	08/02/24 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*08/01/24 12:28*	*08/02/24 13:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 17:36	08/02/24 00:42	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH06@4'
Date Collected: 07/29/24 13:31
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-12
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*08/01/24 09:35*	*08/02/24 17:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 17:19	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 17:19	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 17:19	1
Xylenes, Total	ND		0.099		mg/Kg		08/01/24 09:35	08/02/24 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*08/01/24 09:35*	*08/02/24 17:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		08/01/24 12:28	08/02/24 14:10	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		08/01/24 12:28	08/02/24 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*08/01/24 12:28*	*08/02/24 14:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/01/24 17:36	08/02/24 01:28	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS01
Date Collected: 07/29/24 13:35
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-13
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 09:35	08/02/24 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*08/01/24 09:35*	*08/02/24 17:42*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 17:42	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 17:42	1
Toluene	ND		0.049		mg/Kg		08/01/24 09:35	08/02/24 17:42	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 09:35	08/02/24 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*48 - 145*	*08/01/24 09:35*	*08/02/24 17:42*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		08/01/24 12:28	08/02/24 14:34	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		08/01/24 12:28	08/02/24 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*08/01/24 12:28*	*08/02/24 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9900**		600		mg/Kg		08/01/24 17:36	08/02/24 09:02	200

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS02
Date Collected: 07/29/24 13:38
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-14
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		08/01/24 09:35	08/02/24 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*08/01/24 09:35*	*08/02/24 18:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 18:06	1
Ethylbenzene	ND		0.047		mg/Kg		08/01/24 09:35	08/02/24 18:06	1
Toluene	ND		0.047		mg/Kg		08/01/24 09:35	08/02/24 18:06	1
Xylenes, Total	ND		0.094		mg/Kg		08/01/24 09:35	08/02/24 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*48 - 145*	*08/01/24 09:35*	*08/02/24 18:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		08/01/24 12:28	08/02/24 14:58	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		08/01/24 12:28	08/02/24 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*08/01/24 12:28*	*08/02/24 14:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9400**		600		mg/Kg		08/01/24 17:36	08/02/24 09:15	200

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS03
Date Collected: 07/29/24 13:40
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-15
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 09:35	08/02/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*08/01/24 09:35*	*08/02/24 18:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 18:30	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 18:30	1
Toluene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 18:30	1
Xylenes, Total	ND		0.096		mg/Kg		08/01/24 09:35	08/02/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*48 - 145*	*08/01/24 09:35*	*08/02/24 18:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**22**		9.7		mg/Kg		08/01/24 12:28	08/02/24 15:22	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		08/01/24 12:28	08/02/24 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*08/01/24 12:28*	*08/02/24 15:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9200**		600		mg/Kg		08/01/24 17:36	08/02/24 09:28	200

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS04
Date Collected: 07/29/24 13:42
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-16
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6		mg/Kg		08/01/24 09:35	08/02/24 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*08/01/24 09:35*	*08/02/24 18:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		08/01/24 09:35	08/02/24 18:53	1
Ethylbenzene	ND		0.046		mg/Kg		08/01/24 09:35	08/02/24 18:53	1
Toluene	ND		0.046		mg/Kg		08/01/24 09:35	08/02/24 18:53	1
Xylenes, Total	ND		0.093		mg/Kg		08/01/24 09:35	08/02/24 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*08/01/24 09:35*	*08/02/24 18:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**11**		8.7		mg/Kg		08/01/24 12:28	08/02/24 15:46	1
Motor Oil Range Organics [C28-C40]	ND		43		mg/Kg		08/01/24 12:28	08/02/24 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*08/01/24 12:28*	*08/02/24 15:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9100**		300		mg/Kg		08/01/24 17:36	08/02/24 09:41	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS05
Date Collected: 07/29/24 13:45
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-17
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 09:35	08/02/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*08/01/24 09:35*	*08/02/24 19:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 19:17	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 19:17	1
Toluene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 19:17	1
Xylenes, Total	ND		0.096		mg/Kg		08/01/24 09:35	08/02/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*48 - 145*	*08/01/24 09:35*	*08/02/24 19:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**70**		9.7		mg/Kg		08/01/24 12:28	08/02/24 16:34	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		08/01/24 12:28	08/02/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*08/01/24 12:28*	*08/02/24 16:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9000**		300		mg/Kg		08/01/24 17:36	08/02/24 09:53	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS06
Date Collected: 07/29/24 13:48
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-18
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 09:35	08/02/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*08/01/24 09:35*	*08/02/24 19:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 19:40	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 19:40	1
Toluene	ND		0.048		mg/Kg		08/01/24 09:35	08/02/24 19:40	1
Xylenes, Total	ND		0.096		mg/Kg		08/01/24 09:35	08/02/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*48 - 145*	*08/01/24 09:35*	*08/02/24 19:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**84**		8.7		mg/Kg		08/01/24 12:28	08/02/24 16:58	1
Motor Oil Range Organics [C28-C40]	ND		43		mg/Kg		08/01/24 12:28	08/02/24 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*08/01/24 12:28*	*08/02/24 16:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9000**		300		mg/Kg		08/01/24 17:36	08/02/24 10:06	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS07
Date Collected: 07/29/24 13:50
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-19
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		08/01/24 09:35	08/02/24 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*08/01/24 09:35*	*08/02/24 20:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 20:04	1
Ethylbenzene	ND		0.050		mg/Kg		08/01/24 09:35	08/02/24 20:04	1
Toluene	ND		0.050		mg/Kg		08/01/24 09:35	08/02/24 20:04	1
Xylenes, Total	ND		0.10		mg/Kg		08/01/24 09:35	08/02/24 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*08/01/24 09:35*	*08/02/24 20:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		8.6		mg/Kg		08/01/24 12:28	08/02/24 17:22	1
Motor Oil Range Organics [C28-C40]	ND		43		mg/Kg		08/01/24 12:28	08/02/24 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*08/01/24 12:28*	*08/02/24 17:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8200**		300		mg/Kg		08/01/24 17:36	08/02/24 10:19	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS08
Date Collected: 07/29/24 13:52
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-20
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		08/01/24 09:35	08/02/24 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*08/01/24 09:35*	*08/02/24 20:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 09:35	08/02/24 20:27	1
Ethylbenzene	ND		0.047		mg/Kg		08/01/24 09:35	08/02/24 20:27	1
Toluene	ND		0.047		mg/Kg		08/01/24 09:35	08/02/24 20:27	1
Xylenes, Total	ND		0.095		mg/Kg		08/01/24 09:35	08/02/24 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*48 - 145*	*08/01/24 09:35*	*08/02/24 20:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**70**		9.5		mg/Kg		08/01/24 12:28	08/02/24 17:46	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		08/01/24 12:28	08/02/24 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*08/01/24 12:28*	*08/02/24 17:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8100**		300		mg/Kg		08/01/24 17:36	08/02/24 10:32	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS09
Date Collected: 07/29/24 13:56
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-21
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/02/24 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*08/01/24 11:27*	*08/02/24 22:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/02/24 22:49	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/02/24 22:49	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/02/24 22:49	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 11:27	08/02/24 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*	*08/01/24 11:27*	*08/02/24 22:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**21**		9.5		mg/Kg		08/01/24 14:43	08/02/24 11:45	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		08/01/24 14:43	08/02/24 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*08/01/24 14:43*	*08/02/24 11:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8600**		300		mg/Kg		08/01/24 17:36	08/02/24 10:45	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS10
Date Collected: 07/29/24 13:59
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-22
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/02/24 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*08/01/24 11:27*	*08/02/24 23:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/02/24 23:55	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/02/24 23:55	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/02/24 23:55	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 11:27	08/02/24 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*08/01/24 11:27*	*08/02/24 23:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		8.9		mg/Kg		08/01/24 14:43	08/02/24 11:58	1
Motor Oil Range Organics [C28-C40]	**60**		45		mg/Kg		08/01/24 14:43	08/02/24 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*62 - 134*	*08/01/24 14:43*	*08/02/24 11:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7300**		300		mg/Kg		08/01/24 17:36	08/02/24 10:58	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS11
Date Collected: 07/29/24 14:02
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-23
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/03/24 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*08/01/24 11:27*	*08/03/24 01:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/03/24 01:00	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 01:00	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 01:00	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 11:27	08/03/24 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*48 - 145*	*08/01/24 11:27*	*08/03/24 01:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**20**		9.7		mg/Kg		08/01/24 14:43	08/02/24 12:11	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		08/01/24 14:43	08/02/24 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*08/01/24 14:43*	*08/02/24 12:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6400**		300		mg/Kg		08/01/24 17:36	08/02/24 11:36	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS12
Date Collected: 07/29/24 14:05
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-24
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 11:27	08/03/24 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*08/01/24 11:27*	*08/03/24 01:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 01:21	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 11:27	08/03/24 01:21	1
Toluene	ND		0.048		mg/Kg		08/01/24 11:27	08/03/24 01:21	1
Xylenes, Total	ND		0.095		mg/Kg		08/01/24 11:27	08/03/24 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*	*08/01/24 11:27*	*08/03/24 01:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**40**		9.5		mg/Kg		08/01/24 14:43	08/02/24 12:23	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		08/01/24 14:43	08/02/24 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*08/01/24 14:43*	*08/02/24 12:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8100**		300		mg/Kg		08/01/24 17:36	08/02/24 11:49	100

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW01
Date Collected: 07/29/24 14:10
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-25
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/03/24 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*08/01/24 11:27*	*08/03/24 01:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 01:43	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 01:43	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 01:43	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 11:27	08/03/24 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*08/01/24 11:27*	*08/03/24 01:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**19**		9.3		mg/Kg		08/01/24 14:43	08/02/24 12:36	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		08/01/24 14:43	08/02/24 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*08/01/24 14:43*	*08/02/24 12:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		150		mg/Kg		08/01/24 17:36	08/02/24 12:02	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW02
Date Collected: 07/29/24 14:13
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-26
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/03/24 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*08/01/24 11:27*	*08/03/24 02:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 02:05	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 02:05	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 02:05	1
Xylenes, Total	ND		0.097		mg/Kg		08/01/24 11:27	08/03/24 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*08/01/24 11:27*	*08/03/24 02:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**60**		9.4		mg/Kg		08/01/24 14:43	08/02/24 12:49	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		08/01/24 14:43	08/02/24 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*08/01/24 14:43*	*08/02/24 12:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3000**		150		mg/Kg		08/01/24 17:36	08/02/24 12:15	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW03
Date Collected: 07/29/24 14:17
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-27
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		08/01/24 11:27	08/03/24 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*35 - 166*	*08/01/24 11:27*	*08/03/24 02:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		08/01/24 11:27	08/03/24 02:27	1
Ethylbenzene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 02:27	1
Toluene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 02:27	1
Xylenes, Total	ND		0.094		mg/Kg		08/01/24 11:27	08/03/24 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*48 - 145*	*08/01/24 11:27*	*08/03/24 02:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**50**		9.7		mg/Kg		08/01/24 14:43	08/02/24 13:02	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		08/01/24 14:43	08/02/24 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*08/01/24 14:43*	*08/02/24 13:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		150		mg/Kg		08/01/24 17:36	08/02/24 12:28	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW04
Date Collected: 07/29/24 14:20
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-28
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6		mg/Kg		08/01/24 11:27	08/03/24 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*08/01/24 11:27*	*08/03/24 02:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		08/01/24 11:27	08/03/24 02:49	1
Ethylbenzene	ND		0.046		mg/Kg		08/01/24 11:27	08/03/24 02:49	1
Toluene	ND		0.046		mg/Kg		08/01/24 11:27	08/03/24 02:49	1
Xylenes, Total	ND		0.093		mg/Kg		08/01/24 11:27	08/03/24 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*08/01/24 11:27*	*08/03/24 02:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**37**		9.1		mg/Kg		08/01/24 14:43	08/02/24 13:15	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		08/01/24 14:43	08/02/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*08/01/24 14:43*	*08/02/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3000**		150		mg/Kg		08/01/24 17:36	08/02/24 12:41	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW05

Date Collected: 07/29/24 14:24
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-29

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		08/01/24 11:27	08/03/24 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*08/01/24 11:27*	*08/03/24 03:11*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/03/24 03:11	1
Ethylbenzene	ND		0.050		mg/Kg		08/01/24 11:27	08/03/24 03:11	1
Toluene	ND		0.050		mg/Kg		08/01/24 11:27	08/03/24 03:11	1
Xylenes, Total	ND		0.099		mg/Kg		08/01/24 11:27	08/03/24 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*	*08/01/24 11:27*	*08/03/24 03:11*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**73**		8.6		mg/Kg		08/01/24 14:43	08/02/24 13:28	1
Motor Oil Range Organics [C28-C40]	ND		43		mg/Kg		08/01/24 14:43	08/02/24 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*08/01/24 14:43*	*08/02/24 13:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		150		mg/Kg		08/01/24 17:36	08/02/24 12:54	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW06
Date Collected: 07/29/24 14:26
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-30
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		08/01/24 11:27	08/03/24 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*35 - 166*	*08/01/24 11:27*	*08/03/24 03:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 03:32	1
Ethylbenzene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 03:32	1
Toluene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 03:32	1
Xylenes, Total	ND		0.095		mg/Kg		08/01/24 11:27	08/03/24 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*	*08/01/24 11:27*	*08/03/24 03:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**330**		9.8		mg/Kg		08/01/24 14:43	08/05/24 13:00	1
Motor Oil Range Organics [C28-C40]	**130**		49		mg/Kg		08/01/24 14:43	08/05/24 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*08/01/24 14:43*	*08/05/24 13:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		150		mg/Kg		08/01/24 17:36	08/02/24 13:06	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW07
Date Collected: 07/29/24 14:30
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-31
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 11:27	08/03/24 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*35 - 166*	*08/01/24 11:27*	*08/03/24 04:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 04:16	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 11:27	08/03/24 04:16	1
Toluene	ND		0.048		mg/Kg		08/01/24 11:27	08/03/24 04:16	1
Xylenes, Total	ND		0.097		mg/Kg		08/01/24 11:27	08/03/24 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*	*08/01/24 11:27*	*08/03/24 04:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**470**		9.3		mg/Kg		08/01/24 14:43	08/06/24 09:46	1
Motor Oil Range Organics [C28-C40]	**230**		46		mg/Kg		08/01/24 14:43	08/06/24 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*117*		*62 - 134*	*08/01/24 14:43*	*08/06/24 09:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		60		mg/Kg		08/02/24 09:27	08/02/24 14:11	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW08
Date Collected: 07/29/24 14:34
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-32
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		08/01/24 11:27	08/03/24 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*35 - 166*	*08/01/24 11:27*	*08/03/24 04:38*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 04:38	1
Ethylbenzene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 04:38	1
Toluene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 04:38	1
Xylenes, Total	ND		0.094		mg/Kg		08/01/24 11:27	08/03/24 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*48 - 145*	*08/01/24 11:27*	*08/03/24 04:38*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**58**		8.7		mg/Kg		08/01/24 14:43	08/02/24 14:19	1
Motor Oil Range Organics [C28-C40]	ND		43		mg/Kg		08/01/24 14:43	08/02/24 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*118*		*62 - 134*	*08/01/24 14:43*	*08/02/24 14:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		150		mg/Kg		08/02/24 09:27	08/05/24 14:57	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW09
Date Collected: 07/29/24 14:38
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-33
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		08/01/24 11:27	08/03/24 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*35 - 166*	*08/01/24 11:27*	*08/03/24 04:59*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 04:59	1
Ethylbenzene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 04:59	1
Toluene	ND		0.047		mg/Kg		08/01/24 11:27	08/03/24 04:59	1
Xylenes, Total	ND		0.094		mg/Kg		08/01/24 11:27	08/03/24 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*08/01/24 11:27*	*08/03/24 04:59*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**310**		9.6		mg/Kg		08/01/24 14:43	08/05/24 13:24	1
Motor Oil Range Organics [C28-C40]	**120**		48		mg/Kg		08/01/24 14:43	08/05/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*08/01/24 14:43*	*08/05/24 13:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		150		mg/Kg		08/02/24 09:27	08/05/24 15:10	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW10

Date Collected: 07/29/24 14:41
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-34

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/03/24 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*35 - 166*	*08/01/24 11:27*	*08/03/24 05:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/03/24 05:21	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 05:21	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 05:21	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 11:27	08/03/24 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*48 - 145*	*08/01/24 11:27*	*08/03/24 05:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**430**		9.6		mg/Kg		08/01/24 14:43	08/05/24 13:48	1
Motor Oil Range Organics [C28-C40]	**190**		48		mg/Kg		08/01/24 14:43	08/05/24 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*08/01/24 14:43*	*08/05/24 13:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2100**		150		mg/Kg		08/02/24 09:27	08/05/24 15:22	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW11
Date Collected: 07/29/24 14:43
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-35
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/03/24 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*35 - 166*	*08/01/24 11:27*	*08/03/24 05:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/03/24 05:43	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 05:43	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 05:43	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 11:27	08/03/24 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*	*08/01/24 11:27*	*08/03/24 05:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**430**		9.7		mg/Kg		08/01/24 14:43	08/05/24 14:12	1
Motor Oil Range Organics [C28-C40]	**200**		48		mg/Kg		08/01/24 14:43	08/05/24 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*08/01/24 14:43*	*08/05/24 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		150		mg/Kg		08/02/24 09:27	08/05/24 15:34	50

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW12

Date Collected: 07/29/24 14:46
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-36

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		08/01/24 11:27	08/03/24 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*35 - 166*	*08/01/24 11:27*	*08/03/24 06:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/03/24 06:05	1
Ethylbenzene	ND		0.050		mg/Kg		08/01/24 11:27	08/03/24 06:05	1
Toluene	ND		0.050		mg/Kg		08/01/24 11:27	08/03/24 06:05	1
Xylenes, Total	ND		0.099		mg/Kg		08/01/24 11:27	08/03/24 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*08/01/24 11:27*	*08/03/24 06:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**540**		9.4		mg/Kg		08/01/24 14:43	08/05/24 14:36	1
Motor Oil Range Organics [C28-C40]	**240**		47		mg/Kg		08/01/24 14:43	08/05/24 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*08/01/24 14:43*	*08/05/24 14:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2000**		60		mg/Kg		08/02/24 09:27	08/02/24 16:07	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH07@4'
Date Collected: 07/29/24 15:00
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-37
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		08/01/24 11:27	08/03/24 06:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*08/01/24 11:27*	*08/03/24 06:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		08/01/24 11:27	08/03/24 06:27	1
Ethylbenzene	ND		0.048		mg/Kg		08/01/24 11:27	08/03/24 06:27	1
Toluene	ND		0.048		mg/Kg		08/01/24 11:27	08/03/24 06:27	1
Xylenes, Total	ND		0.095		mg/Kg		08/01/24 11:27	08/03/24 06:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*48 - 145*	*08/01/24 11:27*	*08/03/24 06:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		08/01/24 14:43	08/02/24 15:24	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		08/01/24 14:43	08/02/24 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*08/01/24 14:43*	*08/02/24 15:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/02/24 09:27	08/02/24 16:45	20

Client Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH08@4'
Date Collected: 07/29/24 15:12
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-38
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		08/01/24 11:27	08/03/24 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*08/01/24 11:27*	*08/03/24 06:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/03/24 06:48	1
Ethylbenzene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 06:48	1
Toluene	ND		0.049		mg/Kg		08/01/24 11:27	08/03/24 06:48	1
Xylenes, Total	ND		0.098		mg/Kg		08/01/24 11:27	08/03/24 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*08/01/24 11:27*	*08/03/24 06:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		08/01/24 14:43	08/02/24 15:37	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		08/01/24 14:43	08/02/24 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*08/01/24 14:43*	*08/02/24 15:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		08/02/24 09:27	08/02/24 16:58	20

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-9558/1-A
Matrix: Solid
Analysis Batch: 9722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9558

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		08/01/24 09:35	08/02/24 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*08/01/24 09:35*	*08/02/24 10:36*	*1*

Lab Sample ID: LCS 885-9558/2-A
Matrix: Solid
Analysis Batch: 9722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9558

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	24.2		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*197*	*S1+*	*35 - 166*

Lab Sample ID: 885-8976-1 MS
Matrix: Solid
Analysis Batch: 9722

Client Sample ID: BH01@0'
Prep Type: Total/NA
Prep Batch: 9558

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		24.7	28.2		mg/Kg		115	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*218*	*S1+*	*35 - 166*

Lab Sample ID: 885-8976-1 MSD
Matrix: Solid
Analysis Batch: 9722

Client Sample ID: BH01@0'
Prep Type: Total/NA
Prep Batch: 9558

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.6	28.9		mg/Kg		117	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*224*	*S1+*	*35 - 166*

Lab Sample ID: MB 885-9578/1-A
Matrix: Solid
Analysis Batch: 9707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9578

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		08/01/24 11:27	08/02/24 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*08/01/24 11:27*	*08/02/24 22:27*	*1*

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-9578/2-A
Matrix: Solid
Analysis Batch: 9707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9578

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	26.4		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*209*		*35 - 166*

Lab Sample ID: 885-8976-21 MS
Matrix: Solid
Analysis Batch: 9707

Client Sample ID: FS09
Prep Type: Total/NA
Prep Batch: 9578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		24.7	27.0		mg/Kg		110	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*215*		*35 - 166*

Lab Sample ID: 885-8976-21 MSD
Matrix: Solid
Analysis Batch: 9707

Client Sample ID: FS09
Prep Type: Total/NA
Prep Batch: 9578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.6	26.0		mg/Kg		106	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*223*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-9558/1-A
Matrix: Solid
Analysis Batch: 9724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9558

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 09:35	08/02/24 10:36	1
Ethylbenzene	ND		0.050		mg/Kg		08/01/24 09:35	08/02/24 10:36	1
Toluene	ND		0.050		mg/Kg		08/01/24 09:35	08/02/24 10:36	1
Xylenes, Total	ND		0.10		mg/Kg		08/01/24 09:35	08/02/24 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*48 - 145*	*08/01/24 09:35*	*08/02/24 10:36*	*1*

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

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

Lab Sample ID: LCS 885-9558/3-A
Matrix: Solid
Analysis Batch: 9724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9558

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.949		mg/Kg		95	70 - 130		
Ethylbenzene			1.00	0.868		mg/Kg		87	70 - 130		
m,p-Xylene			2.00	1.75		mg/Kg		87	70 - 130		
o-Xylene			1.00	0.836		mg/Kg		84	70 - 130		
Toluene			1.00	0.887		mg/Kg		89	70 - 130		
Xylenes, Total			3.00	2.58		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*

Lab Sample ID: 885-8976-2 MS
Matrix: Solid
Analysis Batch: 9724

Client Sample ID: BH01@04'
Prep Type: Total/NA
Prep Batch: 9558

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.984	1.04		mg/Kg		106	70 - 130		
Ethylbenzene	ND		0.984	0.993		mg/Kg		101	70 - 130		
m,p-Xylene	ND		1.97	1.99		mg/Kg		100	70 - 130		
o-Xylene	ND		0.984	0.966		mg/Kg		98	70 - 130		
Toluene	ND		0.984	0.985		mg/Kg		99	70 - 130		
Xylenes, Total	ND		2.95	2.95		mg/Kg		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*

Lab Sample ID: 885-8976-2 MSD
Matrix: Solid
Analysis Batch: 9724

Client Sample ID: BH01@04'
Prep Type: Total/NA
Prep Batch: 9558

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.983	1.04		mg/Kg		106	70 - 130	0	20
Ethylbenzene	ND		0.983	0.981		mg/Kg		100	70 - 130	1	20
m,p-Xylene	ND		1.97	1.96		mg/Kg		99	70 - 130	1	20
o-Xylene	ND		0.983	0.955		mg/Kg		97	70 - 130	1	20
Toluene	ND		0.983	0.999		mg/Kg		100	70 - 130	1	20
Xylenes, Total	ND		2.95	2.92		mg/Kg		98	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*

Lab Sample ID: MB 885-9578/1-A
Matrix: Solid
Analysis Batch: 9709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9578

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		08/01/24 11:27	08/02/24 22:27	1
Ethylbenzene	ND		0.050		mg/Kg		08/01/24 11:27	08/02/24 22:27	1
Toluene	ND		0.050		mg/Kg		08/01/24 11:27	08/02/24 22:27	1

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

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

Lab Sample ID: MB 885-9578/1-A
Matrix: Solid
Analysis Batch: 9709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9578

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		08/01/24 11:27	08/02/24 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*48 - 145*	*08/01/24 11:27*	*08/02/24 22:27*	*1*

Lab Sample ID: LCS 885-9578/3-A
Matrix: Solid
Analysis Batch: 9709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9578

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.947		mg/Kg		95	70 - 130		
Ethylbenzene			1.00	0.920		mg/Kg		92	70 - 130		
m,p-Xylene			2.00	1.82		mg/Kg		91	70 - 130		
o-Xylene			1.00	0.895		mg/Kg		89	70 - 130		
Toluene			1.00	0.934		mg/Kg		93	70 - 130		
Xylenes, Total			3.00	2.72		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*

Lab Sample ID: 885-8976-22 MS
Matrix: Solid
Analysis Batch: 9709

Client Sample ID: FS10
Prep Type: Total/NA
Prep Batch: 9578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.968	0.900		mg/Kg		93	70 - 130		
Ethylbenzene	ND		0.968	0.886		mg/Kg		92	70 - 130		
m,p-Xylene	ND		1.94	1.76		mg/Kg		91	70 - 130		
o-Xylene	ND		0.968	0.876		mg/Kg		90	70 - 130		
Toluene	ND		0.968	0.898		mg/Kg		93	70 - 130		
Xylenes, Total	ND		2.90	2.64		mg/Kg		91	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*

Lab Sample ID: 885-8976-22 MSD
Matrix: Solid
Analysis Batch: 9709

Client Sample ID: FS10
Prep Type: Total/NA
Prep Batch: 9578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.980	0.915		mg/Kg		93	70 - 130	2	20
Ethylbenzene	ND		0.980	0.910		mg/Kg		93	70 - 130	3	20
m,p-Xylene	ND		1.96	1.80		mg/Kg		92	70 - 130	2	20
o-Xylene	ND		0.980	0.891		mg/Kg		91	70 - 130	2	20
Toluene	ND		0.980	0.919		mg/Kg		94	70 - 130	2	20
Xylenes, Total	ND		2.94	2.69		mg/Kg		91	70 - 130	2	20

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

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

Lab Sample ID: 885-8976-22 MSD
Matrix: Solid
Analysis Batch: 9709

Client Sample ID: FS10
Prep Type: Total/NA
Prep Batch: 9578

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		48 - 145

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

Lab Sample ID: MB 885-9580/1-A
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9580

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		08/01/24 12:03	08/01/24 12:30	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		08/01/24 12:03	08/01/24 12:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134	08/01/24 12:03	08/01/24 12:30	1

Lab Sample ID: LCS 885-9580/2-A
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9580

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	40.4		mg/Kg		81	60 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	100		62 - 134

Lab Sample ID: 885-8976-9 MS
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: BH05@0'
Prep Type: Total/NA
Prep Batch: 9580

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		42.1	33.7		mg/Kg		80	44 - 136		

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	98		62 - 134

Lab Sample ID: 885-8976-9 MSD
Matrix: Solid
Analysis Batch: 9574

Client Sample ID: BH05@0'
Prep Type: Total/NA
Prep Batch: 9580

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.9	36.1		mg/Kg		72	44 - 136	7	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	99		62 - 134

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

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

Lab Sample ID: MB 885-9583/1-A
Matrix: Solid
Analysis Batch: 9624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9583

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		08/01/24 12:28	08/02/24 12:58	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		08/01/24 12:28	08/02/24 12:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*08/01/24 12:28*	*08/02/24 12:58*	*1*

Lab Sample ID: LCS 885-9583/2-A
Matrix: Solid
Analysis Batch: 9624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9583

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	58.1		mg/Kg		116	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*

Lab Sample ID: MB 885-9592/1-A
Matrix: Solid
Analysis Batch: 9623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9592

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		08/01/24 14:43	08/02/24 11:20	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		08/01/24 14:43	08/02/24 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*08/01/24 14:43*	*08/02/24 11:20*	*1*

Lab Sample ID: LCS 885-9592/2-A
Matrix: Solid
Analysis Batch: 9623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9592

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	46.1		mg/Kg		92	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*118*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-9587/1-A
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9587

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		08/01/24 12:38	08/01/24 14:24	1

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-9587/2-A
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9587

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	14.3		mg/Kg		95	90 - 110		

Lab Sample ID: MB 885-9604/1-A
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9604

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		08/01/24 17:36	08/02/24 00:12	1

Lab Sample ID: LCS 885-9604/2-A
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9604

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	15.5		mg/Kg		103	90 - 110		

Lab Sample ID: 885-8976-11 MS
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: BH06@0'
Prep Type: Total/NA
Prep Batch: 9604

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-8976-11 MSD
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: BH06@0'
Prep Type: Total/NA
Prep Batch: 9604

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		29.8	ND		mg/Kg		NC	50 - 150	NC	20

Lab Sample ID: 885-8976-12 MS
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: BH06@4'
Prep Type: Total/NA
Prep Batch: 9604

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-8976-12 MSD
Matrix: Solid
Analysis Batch: 9616

Client Sample ID: BH06@4'
Prep Type: Total/NA
Prep Batch: 9604

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150	NC	20

Lab Sample ID: MB 885-9625/1-A
Matrix: Solid
Analysis Batch: 9695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9625

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		08/02/24 09:27	08/02/24 13:19	1

QC Sample Results

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 885-9625/2-A
Matrix: Solid
Analysis Batch: 9695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9625

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	31.4		mg/Kg		105	90 - 110		

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

GC VOA

Prep Batch: 9558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-1	BH01@0'	Total/NA	Solid	5030C	
885-8976-2	BH01@04'	Total/NA	Solid	5030C	
885-8976-3	BH02@0'	Total/NA	Solid	5030C	
885-8976-4	BH02@4'	Total/NA	Solid	5030C	
885-8976-5	BH03@0'	Total/NA	Solid	5030C	
885-8976-6	BH03@4'	Total/NA	Solid	5030C	
885-8976-7	BH04@0'	Total/NA	Solid	5030C	
885-8976-8	BH04@4'	Total/NA	Solid	5030C	
885-8976-9	BH05@0'	Total/NA	Solid	5030C	
885-8976-10	BH05@4'	Total/NA	Solid	5030C	
885-8976-11	BH06@0'	Total/NA	Solid	5030C	
885-8976-12	BH06@4'	Total/NA	Solid	5030C	
885-8976-13	FS01	Total/NA	Solid	5030C	
885-8976-14	FS02	Total/NA	Solid	5030C	
885-8976-15	FS03	Total/NA	Solid	5030C	
885-8976-16	FS04	Total/NA	Solid	5030C	
885-8976-17	FS05	Total/NA	Solid	5030C	
885-8976-18	FS06	Total/NA	Solid	5030C	
885-8976-19	FS07	Total/NA	Solid	5030C	
885-8976-20	FS08	Total/NA	Solid	5030C	
MB 885-9558/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-9558/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9558/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-8976-1 MS	BH01@0'	Total/NA	Solid	5030C	
885-8976-1 MSD	BH01@0'	Total/NA	Solid	5030C	
885-8976-2 MS	BH01@04'	Total/NA	Solid	5030C	
885-8976-2 MSD	BH01@04'	Total/NA	Solid	5030C	

Prep Batch: 9578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-21	FS09	Total/NA	Solid	5030C	
885-8976-22	FS10	Total/NA	Solid	5030C	
885-8976-23	FS11	Total/NA	Solid	5030C	
885-8976-24	FS12	Total/NA	Solid	5030C	
885-8976-25	SW01	Total/NA	Solid	5030C	
885-8976-26	SW02	Total/NA	Solid	5030C	
885-8976-27	SW03	Total/NA	Solid	5030C	
885-8976-28	SW04	Total/NA	Solid	5030C	
885-8976-29	SW05	Total/NA	Solid	5030C	
885-8976-30	SW06	Total/NA	Solid	5030C	
885-8976-31	SW07	Total/NA	Solid	5030C	
885-8976-32	SW08	Total/NA	Solid	5030C	
885-8976-33	SW09	Total/NA	Solid	5030C	
885-8976-34	SW10	Total/NA	Solid	5030C	
885-8976-35	SW11	Total/NA	Solid	5030C	
885-8976-36	SW12	Total/NA	Solid	5030C	
885-8976-37	BH07@4'	Total/NA	Solid	5030C	
885-8976-38	BH08@4'	Total/NA	Solid	5030C	
MB 885-9578/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-9578/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9578/3-A	Lab Control Sample	Total/NA	Solid	5030C	

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

GC VOA (Continued)

Prep Batch: 9578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-21 MS	FS09	Total/NA	Solid	5030C	
885-8976-21 MSD	FS09	Total/NA	Solid	5030C	
885-8976-22 MS	FS10	Total/NA	Solid	5030C	
885-8976-22 MSD	FS10	Total/NA	Solid	5030C	

Analysis Batch: 9707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-21	FS09	Total/NA	Solid	8015D	9578
885-8976-22	FS10	Total/NA	Solid	8015D	9578
885-8976-23	FS11	Total/NA	Solid	8015D	9578
885-8976-24	FS12	Total/NA	Solid	8015D	9578
885-8976-25	SW01	Total/NA	Solid	8015D	9578
885-8976-26	SW02	Total/NA	Solid	8015D	9578
885-8976-27	SW03	Total/NA	Solid	8015D	9578
885-8976-28	SW04	Total/NA	Solid	8015D	9578
885-8976-29	SW05	Total/NA	Solid	8015D	9578
885-8976-30	SW06	Total/NA	Solid	8015D	9578
885-8976-31	SW07	Total/NA	Solid	8015D	9578
885-8976-32	SW08	Total/NA	Solid	8015D	9578
885-8976-33	SW09	Total/NA	Solid	8015D	9578
885-8976-34	SW10	Total/NA	Solid	8015D	9578
885-8976-35	SW11	Total/NA	Solid	8015D	9578
885-8976-36	SW12	Total/NA	Solid	8015D	9578
885-8976-37	BH07@4'	Total/NA	Solid	8015D	9578
885-8976-38	BH08@4'	Total/NA	Solid	8015D	9578
MB 885-9578/1-A	Method Blank	Total/NA	Solid	8015D	9578
LCS 885-9578/2-A	Lab Control Sample	Total/NA	Solid	8015D	9578
885-8976-21 MS	FS09	Total/NA	Solid	8015D	9578
885-8976-21 MSD	FS09	Total/NA	Solid	8015D	9578

Analysis Batch: 9709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-21	FS09	Total/NA	Solid	8021B	9578
885-8976-22	FS10	Total/NA	Solid	8021B	9578
885-8976-23	FS11	Total/NA	Solid	8021B	9578
885-8976-24	FS12	Total/NA	Solid	8021B	9578
885-8976-25	SW01	Total/NA	Solid	8021B	9578
885-8976-26	SW02	Total/NA	Solid	8021B	9578
885-8976-27	SW03	Total/NA	Solid	8021B	9578
885-8976-28	SW04	Total/NA	Solid	8021B	9578
885-8976-29	SW05	Total/NA	Solid	8021B	9578
885-8976-30	SW06	Total/NA	Solid	8021B	9578
885-8976-31	SW07	Total/NA	Solid	8021B	9578
885-8976-32	SW08	Total/NA	Solid	8021B	9578
885-8976-33	SW09	Total/NA	Solid	8021B	9578
885-8976-34	SW10	Total/NA	Solid	8021B	9578
885-8976-35	SW11	Total/NA	Solid	8021B	9578
885-8976-36	SW12	Total/NA	Solid	8021B	9578
885-8976-37	BH07@4'	Total/NA	Solid	8021B	9578
885-8976-38	BH08@4'	Total/NA	Solid	8021B	9578
MB 885-9578/1-A	Method Blank	Total/NA	Solid	8021B	9578

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

GC VOA (Continued)

Analysis Batch: 9709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-9578/3-A	Lab Control Sample	Total/NA	Solid	8021B	9578
885-8976-22 MS	FS10	Total/NA	Solid	8021B	9578
885-8976-22 MSD	FS10	Total/NA	Solid	8021B	9578

Analysis Batch: 9722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-1	BH01@0'	Total/NA	Solid	8015D	9558
885-8976-2	BH01@04'	Total/NA	Solid	8015D	9558
885-8976-3	BH02@0'	Total/NA	Solid	8015D	9558
885-8976-4	BH02@4'	Total/NA	Solid	8015D	9558
885-8976-5	BH03@0'	Total/NA	Solid	8015D	9558
885-8976-6	BH03@4'	Total/NA	Solid	8015D	9558
885-8976-7	BH04@0'	Total/NA	Solid	8015D	9558
885-8976-8	BH04@4'	Total/NA	Solid	8015D	9558
885-8976-9	BH05@0'	Total/NA	Solid	8015D	9558
885-8976-10	BH05@4'	Total/NA	Solid	8015D	9558
885-8976-11	BH06@0'	Total/NA	Solid	8015D	9558
885-8976-12	BH06@4'	Total/NA	Solid	8015D	9558
885-8976-13	FS01	Total/NA	Solid	8015D	9558
885-8976-14	FS02	Total/NA	Solid	8015D	9558
885-8976-15	FS03	Total/NA	Solid	8015D	9558
885-8976-16	FS04	Total/NA	Solid	8015D	9558
885-8976-17	FS05	Total/NA	Solid	8015D	9558
885-8976-18	FS06	Total/NA	Solid	8015D	9558
885-8976-19	FS07	Total/NA	Solid	8015D	9558
885-8976-20	FS08	Total/NA	Solid	8015D	9558
MB 885-9558/1-A	Method Blank	Total/NA	Solid	8015D	9558
LCS 885-9558/2-A	Lab Control Sample	Total/NA	Solid	8015D	9558
885-8976-1 MS	BH01@0'	Total/NA	Solid	8015D	9558
885-8976-1 MSD	BH01@0'	Total/NA	Solid	8015D	9558

Analysis Batch: 9724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-1	BH01@0'	Total/NA	Solid	8021B	9558
885-8976-2	BH01@04'	Total/NA	Solid	8021B	9558
885-8976-3	BH02@0'	Total/NA	Solid	8021B	9558
885-8976-4	BH02@4'	Total/NA	Solid	8021B	9558
885-8976-5	BH03@0'	Total/NA	Solid	8021B	9558
885-8976-6	BH03@4'	Total/NA	Solid	8021B	9558
885-8976-7	BH04@0'	Total/NA	Solid	8021B	9558
885-8976-8	BH04@4'	Total/NA	Solid	8021B	9558
885-8976-9	BH05@0'	Total/NA	Solid	8021B	9558
885-8976-10	BH05@4'	Total/NA	Solid	8021B	9558
885-8976-11	BH06@0'	Total/NA	Solid	8021B	9558
885-8976-12	BH06@4'	Total/NA	Solid	8021B	9558
885-8976-13	FS01	Total/NA	Solid	8021B	9558
885-8976-14	FS02	Total/NA	Solid	8021B	9558
885-8976-15	FS03	Total/NA	Solid	8021B	9558
885-8976-16	FS04	Total/NA	Solid	8021B	9558
885-8976-17	FS05	Total/NA	Solid	8021B	9558
885-8976-18	FS06	Total/NA	Solid	8021B	9558

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

GC VOA (Continued)

Analysis Batch: 9724 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-19	FS07	Total/NA	Solid	8021B	9558
885-8976-20	FS08	Total/NA	Solid	8021B	9558
MB 885-9558/1-A	Method Blank	Total/NA	Solid	8021B	9558
LCS 885-9558/3-A	Lab Control Sample	Total/NA	Solid	8021B	9558
885-8976-2 MS	BH01@04'	Total/NA	Solid	8021B	9558
885-8976-2 MSD	BH01@04'	Total/NA	Solid	8021B	9558

GC Semi VOA

Analysis Batch: 9574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-1	BH01@0'	Total/NA	Solid	8015D	9580
885-8976-2	BH01@04'	Total/NA	Solid	8015D	9580
885-8976-3	BH02@0'	Total/NA	Solid	8015D	9580
885-8976-4	BH02@4'	Total/NA	Solid	8015D	9580
885-8976-5	BH03@0'	Total/NA	Solid	8015D	9580
885-8976-6	BH03@4'	Total/NA	Solid	8015D	9580
885-8976-7	BH04@0'	Total/NA	Solid	8015D	9580
885-8976-8	BH04@4'	Total/NA	Solid	8015D	9580
885-8976-9	BH05@0'	Total/NA	Solid	8015D	9580
MB 885-9580/1-A	Method Blank	Total/NA	Solid	8015D	9580
LCS 885-9580/2-A	Lab Control Sample	Total/NA	Solid	8015D	9580
885-8976-9 MS	BH05@0'	Total/NA	Solid	8015D	9580
885-8976-9 MSD	BH05@0'	Total/NA	Solid	8015D	9580

Prep Batch: 9580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-1	BH01@0'	Total/NA	Solid	SHAKE	
885-8976-2	BH01@04'	Total/NA	Solid	SHAKE	
885-8976-3	BH02@0'	Total/NA	Solid	SHAKE	
885-8976-4	BH02@4'	Total/NA	Solid	SHAKE	
885-8976-5	BH03@0'	Total/NA	Solid	SHAKE	
885-8976-6	BH03@4'	Total/NA	Solid	SHAKE	
885-8976-7	BH04@0'	Total/NA	Solid	SHAKE	
885-8976-8	BH04@4'	Total/NA	Solid	SHAKE	
885-8976-9	BH05@0'	Total/NA	Solid	SHAKE	
MB 885-9580/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-9580/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-8976-9 MS	BH05@0'	Total/NA	Solid	SHAKE	
885-8976-9 MSD	BH05@0'	Total/NA	Solid	SHAKE	

Prep Batch: 9583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-10	BH05@4'	Total/NA	Solid	SHAKE	
885-8976-11	BH06@0'	Total/NA	Solid	SHAKE	
885-8976-12	BH06@4'	Total/NA	Solid	SHAKE	
885-8976-13	FS01	Total/NA	Solid	SHAKE	
885-8976-14	FS02	Total/NA	Solid	SHAKE	
885-8976-15	FS03	Total/NA	Solid	SHAKE	
885-8976-16	FS04	Total/NA	Solid	SHAKE	
885-8976-17	FS05	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

GC Semi VOA (Continued)

Prep Batch: 9583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-18	FS06	Total/NA	Solid	SHAKE	
885-8976-19	FS07	Total/NA	Solid	SHAKE	
885-8976-20	FS08	Total/NA	Solid	SHAKE	
MB 885-9583/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-9583/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 9592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-21	FS09	Total/NA	Solid	SHAKE	
885-8976-22	FS10	Total/NA	Solid	SHAKE	
885-8976-23	FS11	Total/NA	Solid	SHAKE	
885-8976-24	FS12	Total/NA	Solid	SHAKE	
885-8976-25	SW01	Total/NA	Solid	SHAKE	
885-8976-26	SW02	Total/NA	Solid	SHAKE	
885-8976-27	SW03	Total/NA	Solid	SHAKE	
885-8976-28	SW04	Total/NA	Solid	SHAKE	
885-8976-29	SW05	Total/NA	Solid	SHAKE	
885-8976-30	SW06	Total/NA	Solid	SHAKE	
885-8976-31	SW07	Total/NA	Solid	SHAKE	
885-8976-32	SW08	Total/NA	Solid	SHAKE	
885-8976-33	SW09	Total/NA	Solid	SHAKE	
885-8976-34	SW10	Total/NA	Solid	SHAKE	
885-8976-35	SW11	Total/NA	Solid	SHAKE	
885-8976-36	SW12	Total/NA	Solid	SHAKE	
885-8976-37	BH07@4'	Total/NA	Solid	SHAKE	
885-8976-38	BH08@4'	Total/NA	Solid	SHAKE	
MB 885-9592/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-9592/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 9623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-21	FS09	Total/NA	Solid	8015D	9592
885-8976-22	FS10	Total/NA	Solid	8015D	9592
885-8976-23	FS11	Total/NA	Solid	8015D	9592
885-8976-24	FS12	Total/NA	Solid	8015D	9592
885-8976-25	SW01	Total/NA	Solid	8015D	9592
885-8976-26	SW02	Total/NA	Solid	8015D	9592
885-8976-27	SW03	Total/NA	Solid	8015D	9592
885-8976-28	SW04	Total/NA	Solid	8015D	9592
885-8976-29	SW05	Total/NA	Solid	8015D	9592
885-8976-32	SW08	Total/NA	Solid	8015D	9592
885-8976-37	BH07@4'	Total/NA	Solid	8015D	9592
885-8976-38	BH08@4'	Total/NA	Solid	8015D	9592
MB 885-9592/1-A	Method Blank	Total/NA	Solid	8015D	9592
LCS 885-9592/2-A	Lab Control Sample	Total/NA	Solid	8015D	9592

Analysis Batch: 9624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-10	BH05@4'	Total/NA	Solid	8015D	9583
885-8976-11	BH06@0'	Total/NA	Solid	8015D	9583
885-8976-12	BH06@4'	Total/NA	Solid	8015D	9583

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

GC Semi VOA (Continued)

Analysis Batch: 9624 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-13	FS01	Total/NA	Solid	8015D	9583
885-8976-14	FS02	Total/NA	Solid	8015D	9583
885-8976-15	FS03	Total/NA	Solid	8015D	9583
885-8976-16	FS04	Total/NA	Solid	8015D	9583
885-8976-17	FS05	Total/NA	Solid	8015D	9583
885-8976-18	FS06	Total/NA	Solid	8015D	9583
885-8976-19	FS07	Total/NA	Solid	8015D	9583
885-8976-20	FS08	Total/NA	Solid	8015D	9583
MB 885-9583/1-A	Method Blank	Total/NA	Solid	8015D	9583
LCS 885-9583/2-A	Lab Control Sample	Total/NA	Solid	8015D	9583

Analysis Batch: 9731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-30	SW06	Total/NA	Solid	8015D	9592
885-8976-33	SW09	Total/NA	Solid	8015D	9592
885-8976-34	SW10	Total/NA	Solid	8015D	9592
885-8976-35	SW11	Total/NA	Solid	8015D	9592
885-8976-36	SW12	Total/NA	Solid	8015D	9592

Analysis Batch: 9797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-31	SW07	Total/NA	Solid	8015D	9592

HPLC/IC

Prep Batch: 9587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-1	BH01@0'	Total/NA	Solid	300_Prep	
885-8976-2	BH01@04'	Total/NA	Solid	300_Prep	
885-8976-3	BH02@0'	Total/NA	Solid	300_Prep	
885-8976-4	BH02@4'	Total/NA	Solid	300_Prep	
885-8976-5	BH03@0'	Total/NA	Solid	300_Prep	
885-8976-6	BH03@4'	Total/NA	Solid	300_Prep	
885-8976-7	BH04@0'	Total/NA	Solid	300_Prep	
885-8976-8	BH04@4'	Total/NA	Solid	300_Prep	
885-8976-9	BH05@0'	Total/NA	Solid	300_Prep	
885-8976-10	BH05@4'	Total/NA	Solid	300_Prep	
MB 885-9587/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9587/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 9604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-11	BH06@0'	Total/NA	Solid	300_Prep	
885-8976-12	BH06@4'	Total/NA	Solid	300_Prep	
885-8976-13	FS01	Total/NA	Solid	300_Prep	
885-8976-14	FS02	Total/NA	Solid	300_Prep	
885-8976-15	FS03	Total/NA	Solid	300_Prep	
885-8976-16	FS04	Total/NA	Solid	300_Prep	
885-8976-17	FS05	Total/NA	Solid	300_Prep	
885-8976-18	FS06	Total/NA	Solid	300_Prep	
885-8976-19	FS07	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

HPLC/IC (Continued)

Prep Batch: 9604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-20	FS08	Total/NA	Solid	300_Prep	
885-8976-21	FS09	Total/NA	Solid	300_Prep	
885-8976-22	FS10	Total/NA	Solid	300_Prep	
885-8976-23	FS11	Total/NA	Solid	300_Prep	
885-8976-24	FS12	Total/NA	Solid	300_Prep	
885-8976-25	SW01	Total/NA	Solid	300_Prep	
885-8976-26	SW02	Total/NA	Solid	300_Prep	
885-8976-27	SW03	Total/NA	Solid	300_Prep	
885-8976-28	SW04	Total/NA	Solid	300_Prep	
885-8976-29	SW05	Total/NA	Solid	300_Prep	
885-8976-30	SW06	Total/NA	Solid	300_Prep	
MB 885-9604/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9604/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-8976-11 MS	BH06@0'	Total/NA	Solid	300_Prep	
885-8976-11 MSD	BH06@0'	Total/NA	Solid	300_Prep	
885-8976-12 MS	BH06@4'	Total/NA	Solid	300_Prep	
885-8976-12 MSD	BH06@4'	Total/NA	Solid	300_Prep	

Analysis Batch: 9616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-1	BH01@0'	Total/NA	Solid	300.0	9587
885-8976-2	BH01@04'	Total/NA	Solid	300.0	9587
885-8976-3	BH02@0'	Total/NA	Solid	300.0	9587
885-8976-4	BH02@4'	Total/NA	Solid	300.0	9587
885-8976-5	BH03@0'	Total/NA	Solid	300.0	9587
885-8976-6	BH03@4'	Total/NA	Solid	300.0	9587
885-8976-7	BH04@0'	Total/NA	Solid	300.0	9587
885-8976-8	BH04@4'	Total/NA	Solid	300.0	9587
885-8976-9	BH05@0'	Total/NA	Solid	300.0	9587
885-8976-10	BH05@4'	Total/NA	Solid	300.0	9587
885-8976-11	BH06@0'	Total/NA	Solid	300.0	9604
885-8976-12	BH06@4'	Total/NA	Solid	300.0	9604
MB 885-9587/1-A	Method Blank	Total/NA	Solid	300.0	9587
MB 885-9604/1-A	Method Blank	Total/NA	Solid	300.0	9604
LCS 885-9587/2-A	Lab Control Sample	Total/NA	Solid	300.0	9587
LCS 885-9604/2-A	Lab Control Sample	Total/NA	Solid	300.0	9604
885-8976-11 MS	BH06@0'	Total/NA	Solid	300.0	9604
885-8976-11 MSD	BH06@0'	Total/NA	Solid	300.0	9604
885-8976-12 MS	BH06@4'	Total/NA	Solid	300.0	9604
885-8976-12 MSD	BH06@4'	Total/NA	Solid	300.0	9604

Prep Batch: 9625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-31	SW07	Total/NA	Solid	300_Prep	
885-8976-32	SW08	Total/NA	Solid	300_Prep	
885-8976-33	SW09	Total/NA	Solid	300_Prep	
885-8976-34	SW10	Total/NA	Solid	300_Prep	
885-8976-35	SW11	Total/NA	Solid	300_Prep	
885-8976-36	SW12	Total/NA	Solid	300_Prep	
885-8976-37	BH07@4'	Total/NA	Solid	300_Prep	
885-8976-38	BH08@4'	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

HPLC/IC (Continued)

Prep Batch: 9625 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-9625/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9625/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 9695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-13	FS01	Total/NA	Solid	300.0	9604
885-8976-14	FS02	Total/NA	Solid	300.0	9604
885-8976-15	FS03	Total/NA	Solid	300.0	9604
885-8976-16	FS04	Total/NA	Solid	300.0	9604
885-8976-17	FS05	Total/NA	Solid	300.0	9604
885-8976-18	FS06	Total/NA	Solid	300.0	9604
885-8976-19	FS07	Total/NA	Solid	300.0	9604
885-8976-20	FS08	Total/NA	Solid	300.0	9604
885-8976-21	FS09	Total/NA	Solid	300.0	9604
885-8976-22	FS10	Total/NA	Solid	300.0	9604
885-8976-23	FS11	Total/NA	Solid	300.0	9604
885-8976-24	FS12	Total/NA	Solid	300.0	9604
885-8976-25	SW01	Total/NA	Solid	300.0	9604
885-8976-26	SW02	Total/NA	Solid	300.0	9604
885-8976-27	SW03	Total/NA	Solid	300.0	9604
885-8976-28	SW04	Total/NA	Solid	300.0	9604
885-8976-29	SW05	Total/NA	Solid	300.0	9604
885-8976-30	SW06	Total/NA	Solid	300.0	9604
885-8976-31	SW07	Total/NA	Solid	300.0	9625
885-8976-36	SW12	Total/NA	Solid	300.0	9625
885-8976-37	BH07@4'	Total/NA	Solid	300.0	9625
885-8976-38	BH08@4'	Total/NA	Solid	300.0	9625
MB 885-9625/1-A	Method Blank	Total/NA	Solid	300.0	9625
LCS 885-9625/2-A	Lab Control Sample	Total/NA	Solid	300.0	9625

Analysis Batch: 9777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8976-32	SW08	Total/NA	Solid	300.0	9625
885-8976-33	SW09	Total/NA	Solid	300.0	9625
885-8976-34	SW10	Total/NA	Solid	300.0	9625
885-8976-35	SW11	Total/NA	Solid	300.0	9625

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH01@0'
Date Collected: 07/29/24 12:00
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 11:00
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 11:00
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 16:32
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 16:07

Client Sample ID: BH01@04'
Date Collected: 07/29/24 12:17
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 12:10
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 12:10
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 16:46
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 16:22

Client Sample ID: BH02@0'
Date Collected: 07/29/24 12:21
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 13:21
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 13:21
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 17:00
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 16:37

Client Sample ID: BH02@4'
Date Collected: 07/29/24 12:33
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 13:45

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH02@4'
Date Collected: 07/29/24 12:33
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 13:45
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 17:14
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 16:52

Client Sample ID: BH03@0'
Date Collected: 07/29/24 12:37
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 14:09
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 14:09
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 17:27
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 17:38

Client Sample ID: BH03@4'
Date Collected: 07/29/24 12:48
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 14:32
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 14:32
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 17:41
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 17:53

Client Sample ID: BH04@0'
Date Collected: 07/29/24 12:52
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 14:56
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 14:56

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH04@0'
Date Collected: 07/29/24 12:52
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 17:55
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 18:08

Client Sample ID: BH04@4'
Date Collected: 07/29/24 13:04
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 15:20
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 15:20
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 18:09
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 18:23

Client Sample ID: BH05@0'
Date Collected: 07/29/24 13:10
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 15:44
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 15:44
Total/NA	Prep	SHAKE			9580	KR	EET ALB	08/01/24 12:03
Total/NA	Analysis	8015D		1	9574	KR	EET ALB	08/01/24 18:22
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 18:38

Client Sample ID: BH05@4'
Date Collected: 07/29/24 13:18
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 16:07
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 16:07
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 19:25

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: BH05@4'
Date Collected: 07/29/24 13:18
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			9587	KB	EET ALB	08/01/24 12:38
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/01/24 23:57

Client Sample ID: BH06@0'
Date Collected: 07/29/24 13:20
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 16:55
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 16:55
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 13:46
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/02/24 00:42

Client Sample ID: BH06@4'
Date Collected: 07/29/24 13:31
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 17:19
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 17:19
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 14:10
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		20	9616	EH	EET ALB	08/02/24 01:28

Client Sample ID: FS01
Date Collected: 07/29/24 13:35
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 17:42
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 17:42
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 14:34
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		200	9695	EH	EET ALB	08/02/24 09:02

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS02
Date Collected: 07/29/24 13:38
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 18:06
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 18:06
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 14:58
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		200	9695	EH	EET ALB	08/02/24 09:15

Client Sample ID: FS03
Date Collected: 07/29/24 13:40
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 18:30
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 18:30
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 15:22
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		200	9695	EH	EET ALB	08/02/24 09:28

Client Sample ID: FS04
Date Collected: 07/29/24 13:42
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 18:53
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 18:53
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 15:46
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 09:41

Client Sample ID: FS05
Date Collected: 07/29/24 13:45
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 19:17

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS05
Date Collected: 07/29/24 13:45
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 19:17
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 16:34
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 09:53

Client Sample ID: FS06
Date Collected: 07/29/24 13:48
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 19:40
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 19:40
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 16:58
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 10:06

Client Sample ID: FS07
Date Collected: 07/29/24 13:50
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 20:04
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 20:04
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 17:22
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 10:19

Client Sample ID: FS08
Date Collected: 07/29/24 13:52
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8015D		1	9722	RA	EET ALB	08/02/24 20:27
Total/NA	Prep	5030C			9558	AT	EET ALB	08/01/24 09:35
Total/NA	Analysis	8021B		1	9724	RA	EET ALB	08/02/24 20:27

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS08
Date Collected: 07/29/24 13:52
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			9583	EM	EET ALB	08/01/24 12:28
Total/NA	Analysis	8015D		1	9624	KR	EET ALB	08/02/24 17:46
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 10:32

Client Sample ID: FS09
Date Collected: 07/29/24 13:56
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/02/24 22:49
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/02/24 22:49
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 11:45
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 10:45

Client Sample ID: FS10
Date Collected: 07/29/24 13:59
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/02/24 23:55
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/02/24 23:55
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 11:58
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 10:58

Client Sample ID: FS11
Date Collected: 07/29/24 14:02
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 01:00
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 01:00
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 12:11

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: FS11
Date Collected: 07/29/24 14:02
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 11:36

Client Sample ID: FS12
Date Collected: 07/29/24 14:05
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 01:21
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 01:21
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 12:23
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		100	9695	EH	EET ALB	08/02/24 11:49

Client Sample ID: SW01
Date Collected: 07/29/24 14:10
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 01:43
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 01:43
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 12:36
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		50	9695	EH	EET ALB	08/02/24 12:02

Client Sample ID: SW02
Date Collected: 07/29/24 14:13
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 02:05
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 02:05
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 12:49
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		50	9695	EH	EET ALB	08/02/24 12:15

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW03
Date Collected: 07/29/24 14:17
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 02:27
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 02:27
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 13:02
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		50	9695	EH	EET ALB	08/02/24 12:28

Client Sample ID: SW04
Date Collected: 07/29/24 14:20
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 02:49
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 02:49
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 13:15
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		50	9695	EH	EET ALB	08/02/24 12:41

Client Sample ID: SW05
Date Collected: 07/29/24 14:24
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 03:11
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 03:11
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 13:28
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		50	9695	EH	EET ALB	08/02/24 12:54

Client Sample ID: SW06
Date Collected: 07/29/24 14:26
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 03:32

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW06
Date Collected: 07/29/24 14:26
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 03:32
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9731	KR	EET ALB	08/05/24 13:00
Total/NA	Prep	300_Prep			9604	KB	EET ALB	08/01/24 17:36
Total/NA	Analysis	300.0		50	9695	EH	EET ALB	08/02/24 13:06

Client Sample ID: SW07
Date Collected: 07/29/24 14:30
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 04:16
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 04:16
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9797	KR	EET ALB	08/06/24 09:46
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		20	9695	EH	EET ALB	08/02/24 14:11

Client Sample ID: SW08
Date Collected: 07/29/24 14:34
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 04:38
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 04:38
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 14:19
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		50	9777	RC	EET ALB	08/05/24 14:57

Client Sample ID: SW09
Date Collected: 07/29/24 14:38
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 04:59
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 04:59

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW09
Date Collected: 07/29/24 14:38
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9731	KR	EET ALB	08/05/24 13:24
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		50	9777	RC	EET ALB	08/05/24 15:10

Client Sample ID: SW10
Date Collected: 07/29/24 14:41
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 05:21
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 05:21
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9731	KR	EET ALB	08/05/24 13:48
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		50	9777	RC	EET ALB	08/05/24 15:22

Client Sample ID: SW11
Date Collected: 07/29/24 14:43
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 05:43
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 05:43
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9731	KR	EET ALB	08/05/24 14:12
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		50	9777	RC	EET ALB	08/05/24 15:34

Client Sample ID: SW12
Date Collected: 07/29/24 14:46
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 06:05
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 06:05
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9731	KR	EET ALB	08/05/24 14:36

Lab Chronicle

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Client Sample ID: SW12
Date Collected: 07/29/24 14:46
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		20	9695	EH	EET ALB	08/02/24 16:07

Client Sample ID: BH07@4'
Date Collected: 07/29/24 15:00
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 06:27
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 06:27
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 15:24
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		20	9695	EH	EET ALB	08/02/24 16:45

Client Sample ID: BH08@4'
Date Collected: 07/29/24 15:12
Date Received: 08/01/24 06:15

Lab Sample ID: 885-8976-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8015D		1	9707	AT	EET ALB	08/03/24 06:48
Total/NA	Prep	5030C			9578	JP	EET ALB	08/01/24 11:27
Total/NA	Analysis	8021B		1	9709	AT	EET ALB	08/03/24 06:48
Total/NA	Prep	SHAKE			9592	KR	EET ALB	08/01/24 14:43
Total/NA	Analysis	8015D		1	9623	KR	EET ALB	08/02/24 15:37
Total/NA	Prep	300_Prep			9625	RC	EET ALB	08/02/24 09:27
Total/NA	Analysis	300.0		20	9695	EH	EET ALB	08/02/24 16:58

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Enduring Resources
Project/Site: KWU 2309-19K

Job ID: 885-8976-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

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

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5030C	Solid	Gasoline Range Organics [C6 - C10]
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Enduring Resources

Attn: Jim Mars

Mailing Address:

Phone #:

email or Fax#: jmars@enduringresources.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
5-Day TAT
■ Standard ☐ Rush

Project Name: KWU 2309-19K

Project #:

Project Manager: Danny Burns

Sampler: DB

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 4.8 +1.08 = 5.96

HALL ENVIRONMENTAL ANALYSIS LABORA
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-8976 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D GRO / DRO / MRO	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7-29-24	1200	Soil	BH01@0'	1-4oz	Cool	1	■	■					■			
	1217		BH01@4'			2										
	1221		BH02@0'			3										
	1233		BH02@4'			4										
	1237		BH03@0'			5										
	1248		BH03@4'			6										
	1252		BH04@0'			7										
	1304		BH04@4'			8										
	1310		BH05@0'			9										
	1318		BH05@4'			10										
	1320		BH06@0'			11										
	1331		BH06@4'			12										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
7-31 2024	1454				7/31/24	1454
7/31/24	1731			courier	8/1/24	6:15

Remarks:
CC: dburns@ensolum.com
gpalese@ensolum.com
skahn@ensolum.com

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Chain-of-Custody Record

Client: Enduring Resources

Attn: Jim Mars

Mailing Address:

Phone #:

email or Fax#: jmars@enduringresources.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
■ Standard ☐ Rush 5-day

Project Name: KWU 2309-19K

Project #:

Project Manager: Danny Burns

Sampler: DB

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 4.8 +0.9 = 5.7 °C

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Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7-29-24	1335	Soil	FS01	1-4oz	Cool	13	■	■					■			
	1338		FS02			14										
	1340		FS03			15										
	1342		FS04			16										
	1345		FS05			17										
	1348		FS06			18										
	1350		FS07			19										
	1352		FS08			20										
	1356		FS09			21										
	1359		FS10			22										
	1402		FS11			23										
	1405		FS12			24										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
7-31-2024	1454				7/31/24	1454
7/31/24	1731			courier	8/1/24	6:15

Remarks:
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gpalese@ensolum.com
skahn@ensolum.com

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Chain-of-Custody Record

Client: Enduring Resources

Attn: Jim Mars

Mailing Address:

Phone #:

email or Fax#: jmars@enduringresources.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other ________________

☐ EDD (Type) ________________

Turn-Around Time: 5 Day

■ Standard ☐ Rush ________

Project Name: KWU 2309-19K

Project #:

Project Manager: Danny Burns

Sampler: DB

On Ice: ☒ Yes ☐ No   Yogi: [illegible]

# of Coolers: 1

Cooler Temp (including CF): 4.8 + [illegible] = 5.[illegible]

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7-29-24	1410	Soil	SW01	1-4oz	Cool	25	■	■					■			
↓	1413	↓	SW02	↓	↓	26	↓	↓					↓			
↓	1417	↓	SW03	↓	↓	27	↓	↓					↓			
↓	1420	↓	SW04	↓	↓	28	↓	↓					↓			
↓	1424	↓	SW05	↓	↓	29	↓	↓					↓			
↓	1426	↓	SW06	↓	↓	30	↓	↓					↓			
↓	1430	↓	SW07	↓	↓	31	↓	↓					↓			
↓	1434	↓	SW08	↓	↓	32	↓	↓					↓			
↓	1438	↓	SW09	↓	↓	33	↓	↓					↓			
↓	1441	↓	SW10	↓	↓	34	↓	↓					↓			
↓	1443	↓	SW11	↓	↓	35	↓	↓					↓			
↓	1446	↓	SW12	↓	↓	36	↓	↓					↓			

Date	Time	Relinquished by	Received by	Via	Date	Time
7-31-2024	1454	DB	Chris Walt	Walt	7/31/24	1454
7/31/24	1731	Chris Walt		Courier	8/1/24	6:15

Remarks:
CC: dburns@ensolum.com
gpalese@ensolum.com
skahn@ensolum.com

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Chain-of-Custody Record

Client: Enduring Resources

Attn: Jim Mars

Mailing Address:

Phone #:

email or Fax#: jmars@enduringresources.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
■ Standard ☐ Rush

Project Name: KWU 2309-19K

Project #:

Project Manager: Danny Burns

Sampler: DB

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 4.8 +0.0 = 5.6

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4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7-29-24	1500	Soil	BH07@4'	1-4oz	Cool	37	■	■					■			
↓	1512	↓	BH08@4'	↓	↓	38	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7-31-2024	1454				7/31/24	1454
7/31/24	1713			courier	8/1/24	6:15

Remarks:
CC: dburns@ensolum.com
gpalese@ensolum.com
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Login Sample Receipt Checklist

Client: Enduring Resources Job Number: 885-8976-1

Login Number: 8976 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 431395
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2419442584**
Incident Name	**NAPP2419442584 KWU 2309-19K WATER RECYCLING FACILITY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fCS1902230487] KWU 2309-19K RECYCLING FACILITY**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	KWU 2309-19K WATER RECYCLING FACILITY
Date Release Discovered	07/11/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Other (Specify) | Produced Water | Released: 8 BBL | Recovered: 0 BBL | Lost: 8 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	WATER FILTER HOUSING FAILED

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

QUESTIONS (continued)

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 431395
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Heather Huntington Title: Permitting Tech Email: hhuntington@enduringresources.com Date: 07/19/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 431395
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	9900
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	780
GRO+DRO	(EPA SW-846 Method 8015M)	540
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		07/12/2024
On what date will (or did) the final sampling or liner inspection occur		07/29/2024
On what date will (or was) the remediation complete(d)		07/28/2024
What is the estimated surface area (in square feet) that will be reclaimed		0
What is the estimated volume (in cubic yards) that will be reclaimed		0
What is the estimated surface area (in square feet) that will be remediated		2000
What is the estimated volume (in cubic yards) that will be remediated		90
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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

QUESTIONS (continued)

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 431395
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	ENVIROTECH [fSC00000000048]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Heather Huntington Title: Permitting Tech Email: hhuntington@enduringresources.com Date: 02/12/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**367007**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/29/2024**
What was the (estimated) number of samples that were to be gathered	**15**
What was the sampling surface area in square feet	**2000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2000
What was the total volume (cubic yards) remediated	90
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Heather Huntington Title: Permitting Tech Email: hhuntington@enduringresources.com Date: 02/12/2025

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 431395

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	5/30/2025