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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2222156433
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Forty Acres Energy	OGRID: 371416
Contact Name: Brittney Storfa	Contact Telephone: 832-241-8080
Contact email: brittney@faenergyus.com	Incident # *(assigned by OCD)*: nAPP2222156433
Contact mailing address: 11757 Katy FWY Suite 725, Houston, TX 77079	

Location of Release Source

Latitude: 32.53676069 Longitude: -103.3289
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: West Eumont Unit 522	Site Type: Injection Well Location
Date Release Discovered: 07/27/2022	API# *(if applicable)*: 3002545479

Unit Letter	Section	Township	Range	County
M	35	20 S	36E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls): 22 bbls	Volume Recovered (bbls): 15 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

There was a line leak on the injection line going to the well.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2222156433
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: Brittney Storfa
Title: Production Engineer
Signature:
Date: 8/10/2022
email: brittney@faenergyus.com
Telephone: 832-241-8080

OCD Only

Received by: Jocelyn Harimon
Date: 08/10/2022

Incident ID	NAPP2222156433
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2222156433
District RP	
Facility ID	
Application ID	

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

Printed Name: Alex Bolanos Title: Regulatory & Production Analyst

Signature: Alex Bolanos Date: 12/06/2023

email: alex@faenergyus.com Telephone: (832)689-3788

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2222156433
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: Alex Bolanos Title: Regulatory & Production Analyst

Signature: Alex Bolanos Date: 12/06/2023

email: alex@faenergyus.com Telephone: 8326893788

OCD Only

Received by: _____ Date: _____

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

Signature: Nelson Velez Date: 12/22/2023

Environmental & Safety Solutions, Inc.

REMEDIATION WORK PLAN

West Eumont Unit 522

Lea County, New Mexico

Incident Number nAPP2222156433

Prepared for:

Forty Acres Energy, LLC

11757 Katy Freeway, Suite 725

Houston, TX 77079

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Forty Acres Energy, LLC (FAE), presents the following Remediation Work Plan (RWP) detailing site assessment and delineation soil sampling activities associated with inadvertent release of produced water at the West Eumont Unit 522 (Site). Based on field observations, information provided by FAE, and review of the laboratory analytical results from soil sampling activities at the Site, FAE proposes this RWP, which summarizes initial response efforts and details remediation objectives to rectify environmental impacts.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit M, Section 35, Township 20 South, Range 36 East, in Lea County, New Mexico (32.53676069°, -103.3289°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A)**.

On July 27, 2022, it was discovered that an injection line failure resulted in approximately 22 barrels (bbls) of produced water to be released into pasture soils and edge of Right-Of-Way (ROW). Vacuum trucks were immediately dispatched and recovered approximately 15 bbls of the released fluids. FAE reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on August 10, 2022, and was subsequently assigned Incident Number nAPP2222156433. Initial response efforts included removal of immediate soil impacts, totaling 231 cubic yards (CYs). FAE provided a map of the release extent which is presented as the Area of Concern (AOC) on **Figure 2** in **Appendix A**.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, 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) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a New Mexico Office of the State Engineer (NMOSE) permitted soil boring L-15554-POD1 that was recently drilled by Coffey Drilling, located approximately 268 feet northwest of the Site on the West Eumont Unit #522 injection well pad. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted air rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 105 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The soil boring record is provided in **Appendix B**.

The soil boring location and regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the Site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and estimated regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

†*The reclamation standard concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13*.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From July 31, 2023, to August 8, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and characterize the AOC by verifying the presence or absence of impacted soil. Sixteen delineation potholes (PH01 through PH16) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of the AOC. Eight delineation potholes (PH01 through PH08) were advanced within the AOC, and eight delineation potholes (PH09 through PH16) were advanced in locations surrounding the AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

The delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all delineation soil samples were below the applicable Site Closure Criteria, except soil samples collected from PH02, PH03 and PH07. Laboratory analytical results for PH02, PH03 and PH07 indicated chloride concentrations exceeded the applicable Site Closure Criteria by up to 2 feet bgs. Laboratory analytical results are summarized in Table 1 in **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included in **Attachment F.**

PROPOSED REMEDIATION WORK PLAN AND SCHEDULE

Based on the delineation soil sampling results, the following conclusions regarding the release are presented:

- Identified chloride impacts, characterized by concentrations ranging from 813 mg/kg to 5,790 mg/kg, exist within the top 4 feet of the AOC in the vicinity of PH02, PH03 and PH07 sampling locations. Laboratory analytical results for COC concentrations for the remaining delineation soil samples are below the applicable Site Closure Criteria.

Based on the conclusions drawn above, FAE proposes the following remedial corrective actions:

- Removal of impacted soil indicated by elevated chloride concentrations above the applicable Site Closure Criteria. The excavation will be advanced vertically and laterally until the applicable Site Closure Criteria is met. Sidewall soil samples will provide horizontal delineation of the release. Based on current delineation soil sampling results, an estimated 360 CYs of additional soil is anticipated to be removed from the Site in accordance with state and federal regulations. The proposed excavation areas are shown in **Figure 3**.

- Following removal of soil impacts, 5-point confirmation soil samples will be collected from the excavations and be analyzed by an accredited laboratory for COCs. Excavated soil will then be transferred to a New Mexico approved landfill facility for disposal and the excavation will be backfilled with non-waste containing soil, as defined by "Procedures for Implementation of the Spill Rule" (September 6, 2019).

- FAE is requesting a variance to the 200 square foot confirmation excavation sampling requirement, which would require a minimum of 9 sidewall soil samples and 13 floor soil samples. Due to the anticipated excavation extent, FAE proposes increasing the confirmation sampling frequency to 500 square feet for the sidewalls and floors of the excavation, for a minimum of 4 sidewall soil samples and 6 floor soil samples. Additionally, the excavation footprint could increase in order to facilitate the proper safety measures and/or excavate in accordance with the Site Closure Criteria.

FAE anticipates beginning remediation activities within **90 days** of the approval of this RWP. Following the completion of remediation activities and receipt of soil confirmation results indicating impacted soil has been removed, the excavation will be backfilled with clean, locally sourced soil and restored to "as close to its original state" as possible. Based on the proposed scope of work, FAE believes the proposed remedial actions will meet the requirements set forth in NMAC 19.15.29.13 regulations to be protective of human health, the environment and groundwater.

LIMITATIONS

Etech has prepared this RWP to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (575) 200-6754 or erick@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera
Staff Geologist

Joseph S. Hernandez
Senior Managing Geologist

cc: David Schellstede, Forty Acres Energy
New Mexico Oil Conservation Division

Appendices:

Appendix A	Figure 1: Site Map
	Figure 1A: Site Characterization Map – Groundwater
	Figure 1B: Site Characterization Map – Surficial Receptors
	Figure 1C: Site Characterization Map – Karst Potential
	Figure 2: Delineation Soil Sample Locations
	Figure 3: Proposed Excavation
Appendix B	Referenced Well Record
Appendix C	Soil Sampling Logs
Appendix D	Photographic Log
Appendix E	Tables
Appendix F	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix G	NMOCD Notifications

APPENDIX A

Figures

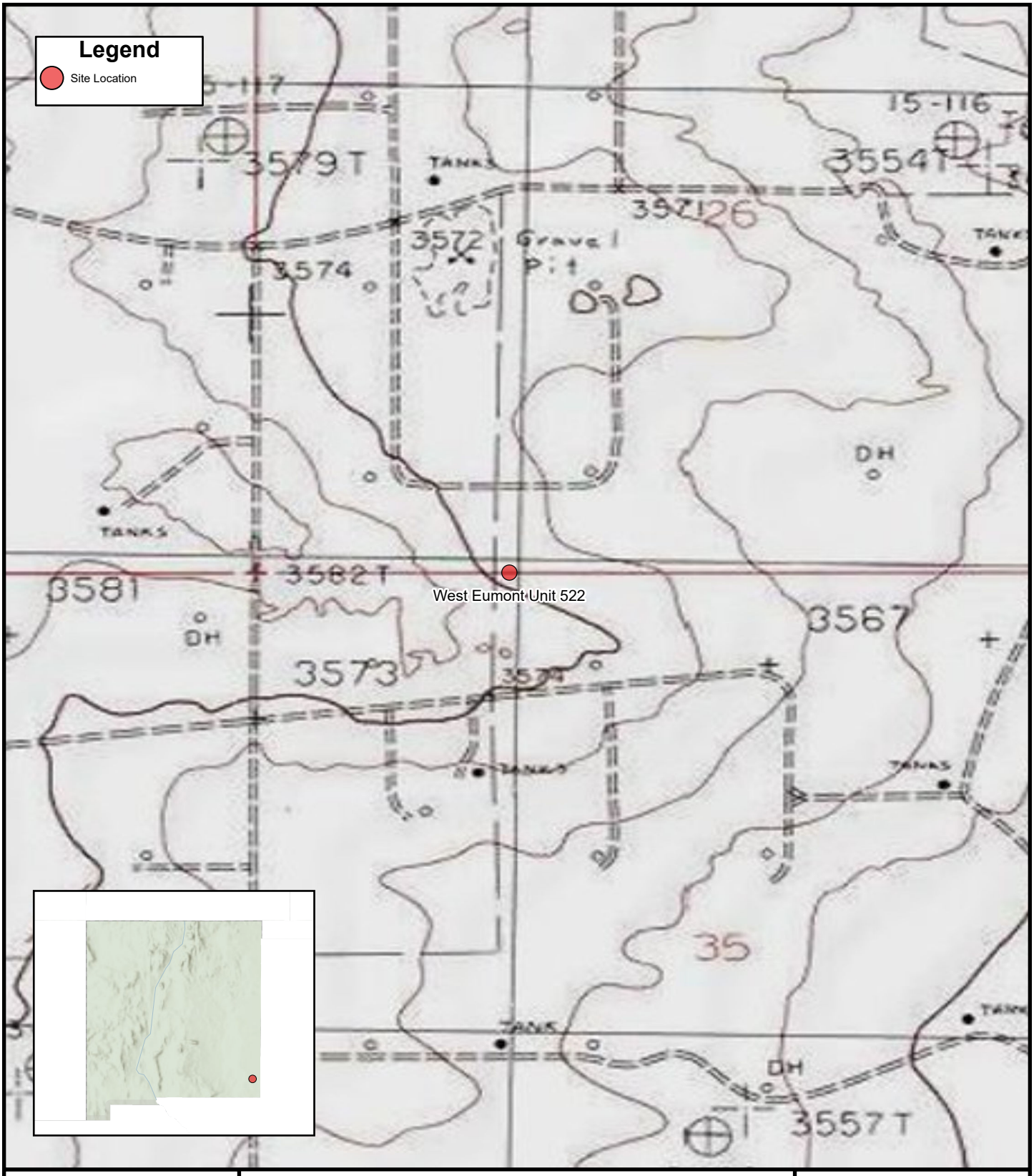


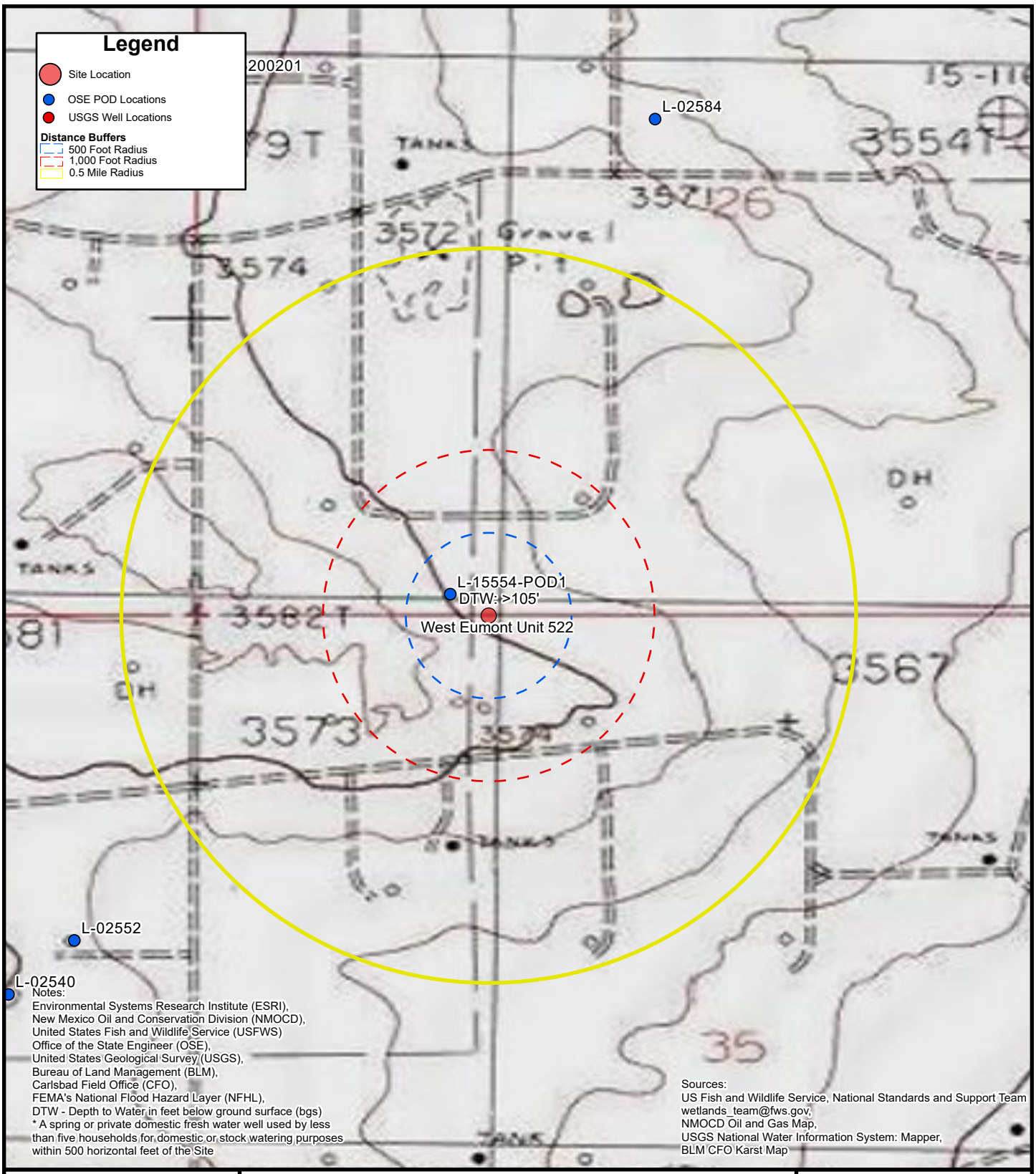
FIGURE 1

Site Location Map

Forty Acres Energy, LLC
West Eumont Unit 522
Unit M Sec 35 T20S R36E
Lea County, New Mexico

N

0 500 1,000 Feet

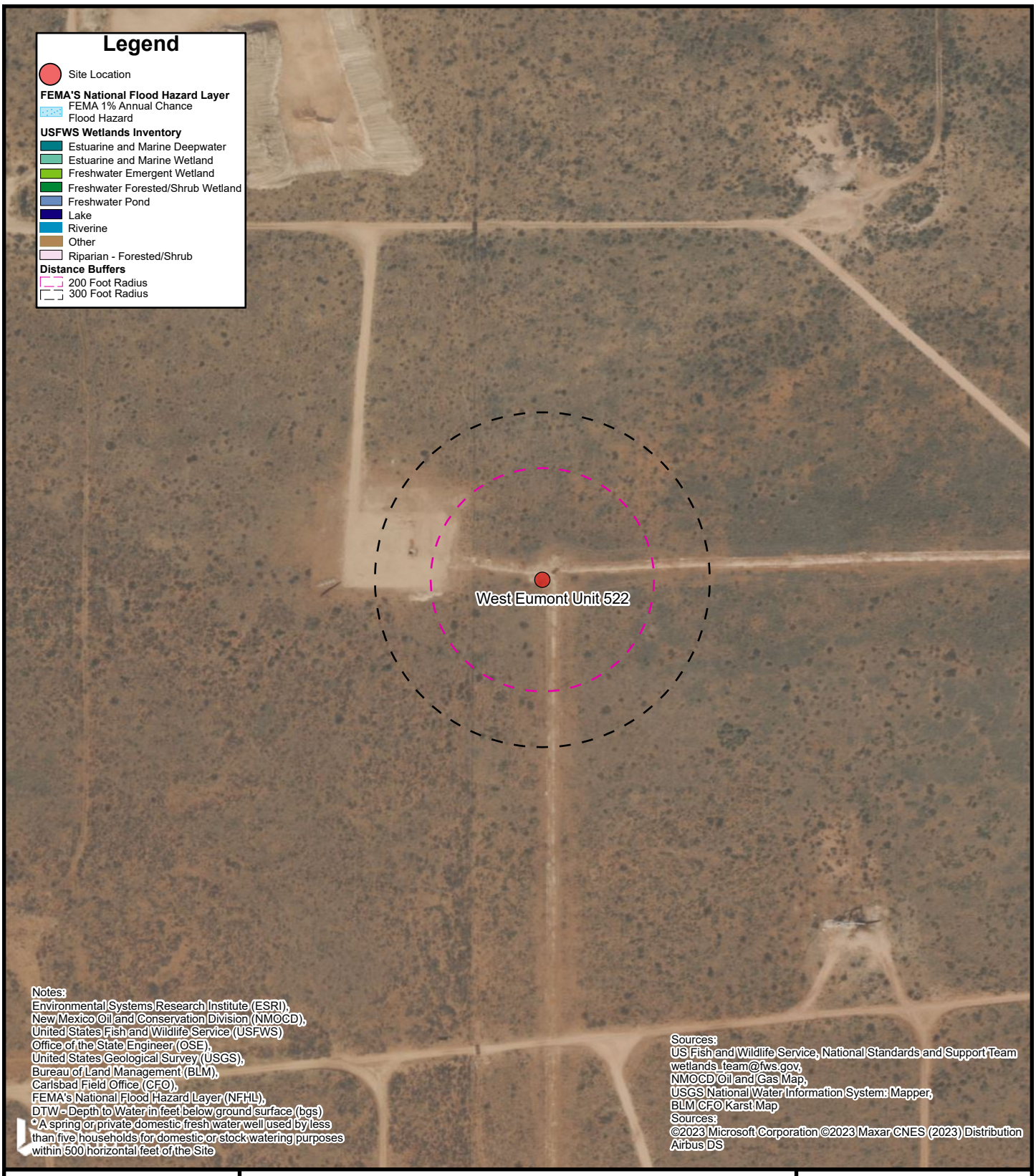


eTECH

FIGURE 1A

Site Characterization Map-Groundwater

Forty Acres Energy, LLC
West Eumont Unit 522
Unit M Sec 35 T20S R36E
Lea County, New Mexico



eTECH

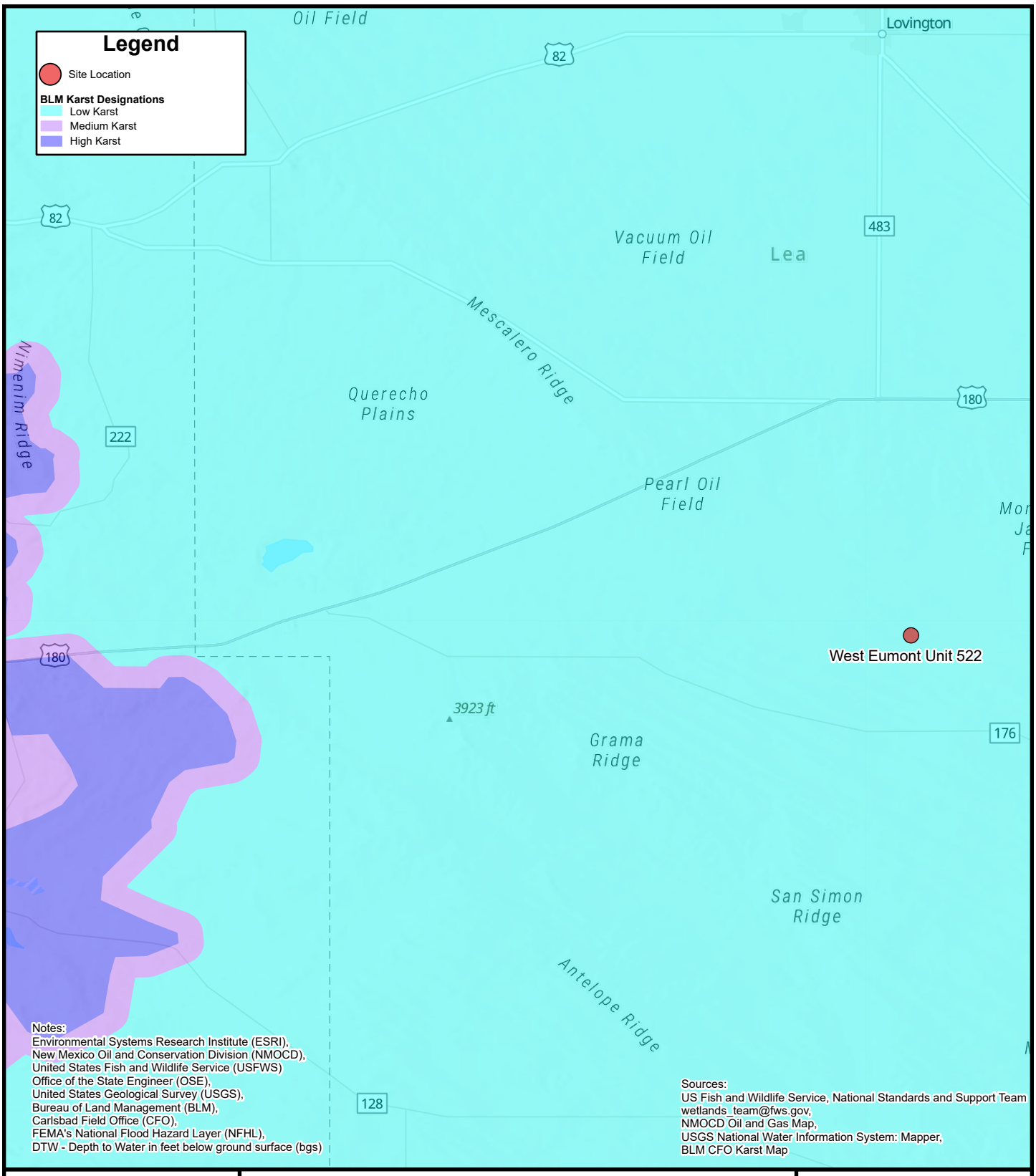
FIGURE 1B

Site Characterization-Surficial Receptors

Forty Acres Energy, LLC
West Eumont Unit 522
Unit M Sec 35 T20S R36E
Lea County, New Mexico

N

0 135 270 Feet



eTECH

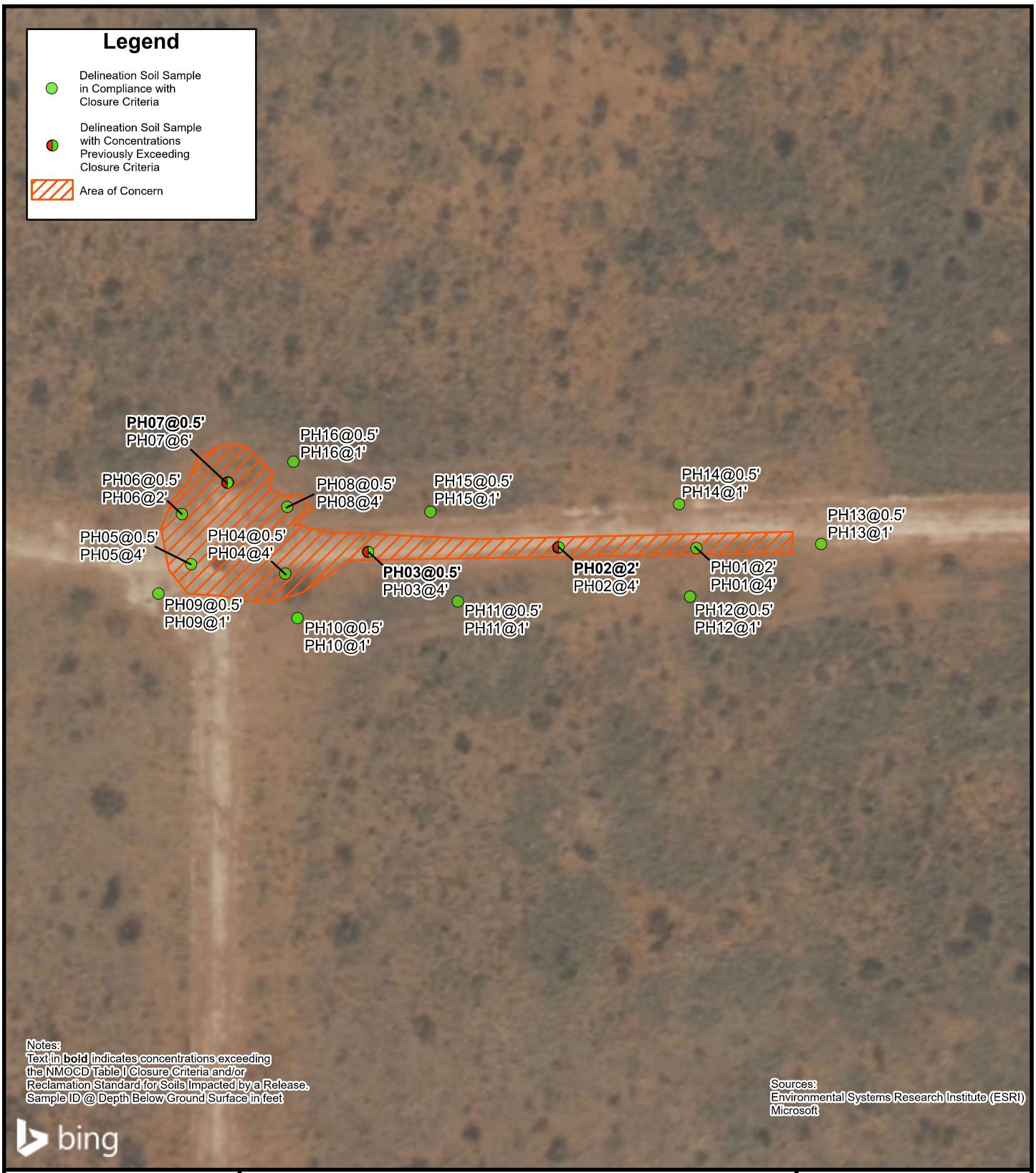
FIGURE 1C

Site Characterization Map - Karst Potential

Forty Acres Energy, LLC
West Eumont Unit 522
Unit M Sec 35 T20S R36E
Lea County, New Mexico

N

0 15,000 30,000 Feet



eTECH

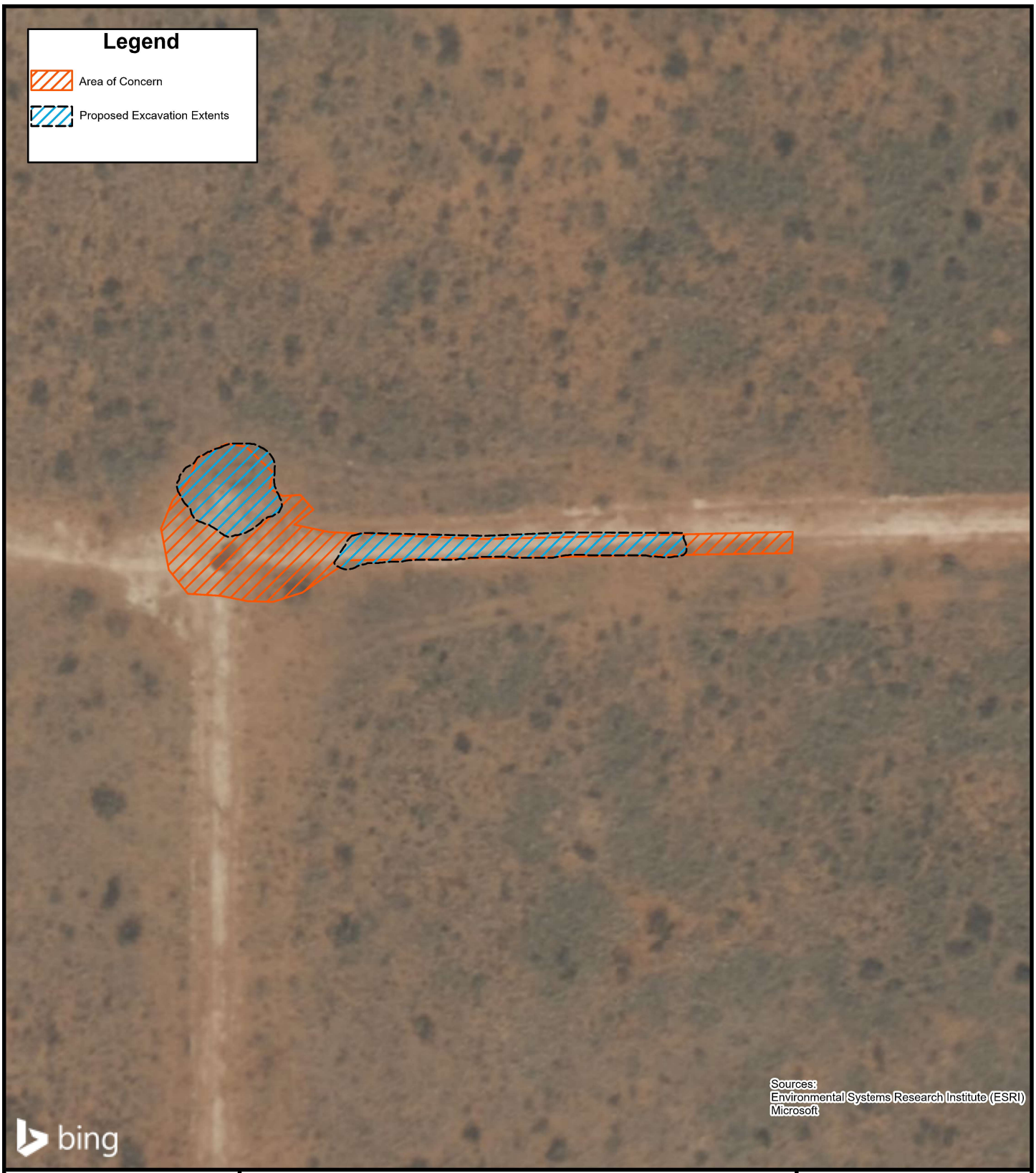
FIGURE 2

Delineation Soil Sample Locations

Forty Acres Energy, LLC
West Eumont Unit 522
Unit M Sec 35 T20S R36E
Lea County, New Mexico

N

0 35 70 Feet



eTECH

FIGURE 3

Proposed Excavation

Forty Acres Energy, LLC
West Eumont Unit 522
Unit M Sec 35 T20S R36E
Lea County, New Mexico

N

0 35 70 Feet

APPENDIX B

Referenced Well Record

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod-1		L-15554

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Forty Acres Energy	346-254-9544

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
11757 Katy Freeway	Houston	TX	77079

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	32	13.6	N
	LONGITUDE	-103	19	13.9	W

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

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1839	Boyd Coffey	Coffey Drilling

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8-25-2023	8-25-2023	105	105	NA

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

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	100	6.5	2 3/8	Threaded	2	SCh 40	
100	105	6.5	2 3/8	Threaded	2	SCH 40	0.035

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	20	6.5	Bentonite Quick grout	3.5	Tremie
20	105	6.5	Native fill	22	Pour

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

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	6	6	Tan Top soil	Y ✓ N	
6	48	42	White Caliche	Y ✓ N	
48	96	48	Tan Soft SandStone	Y ✓ N	
96	100	4	Red Clay	Y ✓ N	
100	105	5	Course sand and gravel	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

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

6. SIGNATURE

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

SIGNATURE OF DRILLER / PRINT SIGNEE NAME _____ DATE _____

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

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

APPENDIX C

Soil Sampling Logs

eTECH

	Sample Name: PH01	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
					0.5	0		(0-2') Previously excavated soil.
					1	1		(2-4') SAND, dry, brown, poorly graded, very fine to fine grained, trace is silt, no staining, no odor.
Dry	736	0.0	No	PH01	2	2	SP	
					3	3		
Dry	220	0.0	No	PH01	4	4	CCHE	@ 4' CALICHE, dry, no staining, no odor.

Total Depth

eTECH

	Sample Name: PH02	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
					0.5	0		(0-2') Previously exvacated soil.
					1	1		(2-4') CALICHE, dry, no staining, no odor. fine to fine grained, trace is silt, no staining, no odor.
Dry	576	0.0	No	PH02	2	2	CCHE	
					3	3		
Dry	252	0.0	No	PH02	4	4		

Total Depth

eTECH

	Sample Name: PH03	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	CCHE	
Dry	1,232	0.0	No	PH03	0.5			(0-2') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	736	0.0	No		1	1		
Dry	356	0.0	No		2	2	CCHE	(2-4') CALICHE, dry, no staining, no odor.
					3	3		
Dry	284	0.0	No	PH03	4	4		
						Total Depth		

eTECH

	Sample Name: PH04	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-4) SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH04	0.5			
Dry	<112	0.0	No		1	1		@ 4' CALICHE, dry, no staining, no odor.
Dry	<112	0.0	No		2	2		
					3	3		
Dry	<112	0.0	No	PH04	4	4	CCHE	

Total Depth

eTECH

	Sample Name: PH05	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	
Dry	<112	0.0	No	PH05	0.5			(0-2') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No		1	1		
								(2-4')CALICHE, dry, no staining, no odor.
Dry	<112	0.0	No		2	2	CCHE	
					3	3		
Dry	<112	0.0	No	PH05	4	4		

Total Depth

eTECH

	Sample Name: PH06	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	
Dry	<112	0.0	No	PH06	0.5			(0-1')SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No		1	1	CCHE	(1-2') CALICHE, dry, no staining, no odor
Dry	<112	0.0	No	PH06	2	2		

Total Depth

eTECH

	Sample Name: PH07	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace is silt, no staining, no odor.
Dry	5,384	0.0	No	PH07	0.5			
Dry	5,381	0.0	No		1	1	CCHE	(1-6')CALICHE, dry, no staining, no odor.
Dry	1,232	0.0	No		2	2		
					3	3		
Dry	1,232	0.0	No	PH07	4	4		
					5	5		
Dry	252	0.0	No	PH07	6	6		

Total Depth

eTECH

	Sample Name: PH08	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	
Dry	112	0.0	No	PH08	0.5			(0-2') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	112	0.0	No		1	1		
Dry	112	0.0	No		2	2	CCHE	(2-4')CALICHE, dry, no staining, no odor.
					3	3		
Dry	112	0.0	No	PH08	4	4		

Total Depth

eTECH

	Sample Name: PH09	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1')SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH09	0.5			
Dry	<112	0.0	No	PH09	1	1		
						Total Depth		

eTECH

	Sample Name: PH10	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1')SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH10	0.5			
Dry	<112	0.0	No	PH10	1	1		
						Total Depth		

eTECH

	Sample Name: PH11	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH11	0.5			
Dry	<112	0.0	No	PH11	1	1		
						Total Depth		

eTECH

	Sample Name: PH12	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH12	0.5			
Dry	<112	0.0	No	PH12	1	1		

Total Depth

eTECH

	Sample Name: PH13	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH13	0.5			
Dry	<112	0.0	No	PH13	1	1		

Total Depth

eTECH

	Sample Name: PH14	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH14	0.5			
Dry	<112	0.0	No	PH14	1	1		
						Total Depth		

eTECH

	Sample Name: PH15	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH15	0.5			
Dry	<112	0.0	No	PH15	1	1		

Total Depth

eTECH

	Sample Name: PH16	Date: 08/08/2023
	Site Name: West Eumont Unit 522	
	Incident Number: nAPP2222156433	
	Job Number: 18338	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.53676069, -103.3289	Hole Diameter: N/A	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, reddish brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH16	0.5			
Dry	<112	0.0	No	PH16	1	1		
						Total Depth		

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
Forty Acres Energy, LLC
West Eumont Unit 522
nAPP222156433

Photograph 1 **Date: 08/08/2023**
Description: Northwestern view of delineation activities.

Photograph 2 **Date: 08/08/2023**
Description: Northeastern view of delineation activities.

Photograph 3 **Date: 08/08/2023**
Description: Soutwestern view of delineation activities.

Photograph 4 **Date: 08/08/2023**
Description: Southwestern view of delineation activities.

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy, LLC
West Eumont Unit 522
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delinetaion Soil Samples - Incident Number nAPP2222156433										
PH01	08/08/2023	2	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	550
PH01	08/08/2023	4	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	180
PH02	08/08/2023	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	**813**
PH02	08/08/2023	4	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	466
PH03	08/08/2023	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	**1,140**
PH03	08/08/2023	4	<0.00200	<0.00400	<50.4	<50.4	<50.4	<50.4	<50.4	529
PH04	08/08/2023	0.5	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	154
PH04	08/08/2023	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	155
PH05	08/08/2023	0.5	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	161
PH05	08/08/2023	4	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	160
PH06	08/08/2023	0.5	<0.00200	<0.00400	<50.2	<50.2	<50.2	<50.2	<50.2	84.7
PH06	08/08/2023	2	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	<50.3	70.0
PH07	08/08/2023	0.5	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	**5,790**
PH07	08/08/2023	6	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	557
PH08	08/08/2023	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	168
PH08	08/08/2023	4	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	130
PH09	08/08/2023	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	83.1
PH09	08/08/2023	1	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	45.7
PH10	08/08/2023	0.5	<0.00198	<0.00397	<50.3	<50.3	<50.3	<50.3	<50.3	52.2
PH10	08/08/2023	1	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	55.4
PH11	08/08/2023	0.5	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	61.2
PH11	08/08/2023	1	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	<50.4	59.9
PH12	08/08/2023	0.5	<0.00201	<0.00402	<49.9	<49.98	<49.9	<49.9	<49.9	66.4
PH12	08/08/2023	1	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	81.9
PH13	08/08/2023	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	48.2
PH13	08/08/2023	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	95.0
PH14	08/08/2023	0.5	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	77.6
PH14	08/08/2023	1	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2	<50.2	65.1

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy, LLC
West Eumont Unit 522
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delinetaion Soil Samples - Incident Number nAPP2222156433										
PH15	08/08/2023	0.5	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	41.4
PH15	08/08/2023	1	<0.00198	<0.00397	<49.7	<49.7	<49.7	<49.7	<49.7	60.6
PH16	08/08/2023	0.5	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	85.1
PH16	08/08/2023	1	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	82.8

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Erick Herrera
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Generated 8/21/2023 2:55:11 PM

JOB DESCRIPTION

WEU 522
SDG NUMBER Lea County NM

JOB NUMBER

890-5064-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Eurofins Carlsbad

Job Notes

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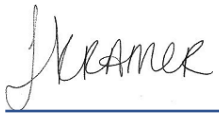
Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Job ID: 890-5064-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5064-1

Receipt
The samples were received on 8/9/2023 8:15 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 3.4°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-60466 and analytical batch 880-60525 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-60466 and analytical batch 880-60525 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-60466 and analytical batch 880-60525 recovered outside control limits for the following analytes: Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60525 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-60525/20) and (CCV 880-60525/33).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-60488 and analytical batch 880-60527 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-60488/5-A) and (MB 880-60566/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-32224-A-1-F MS) and (880-32224-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-60570 and analytical batch 880-60614 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60573 and analytical batch 880-60627 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60627/20), (CCV 880-60627/31), (CCV 880-60627/5) and (LCSD 880-60573/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: PH12 (890-5064-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Job ID: 890-5064-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH01

Lab Sample ID: 890-5064-1
Matrix: Solid

Date Collected: 08/08/23 11:30
Date Received: 08/09/23 08:15
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 16:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 16:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 16:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/17/23 09:22	08/17/23 16:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 16:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/17/23 09:22	08/17/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/17/23 09:22*	*08/17/23 16:08*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/17/23 09:22*	*08/17/23 16:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/18/23 10:45	08/19/23 12:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/18/23 10:45	08/19/23 12:57	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/18/23 10:45	08/19/23 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*08/18/23 10:45*	*08/19/23 12:57*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/18/23 10:45*	*08/19/23 12:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**550**		5.03		mg/Kg			08/11/23 21:36	1

Client Sample ID: PH01

Lab Sample ID: 890-5064-2
Matrix: Solid

Date Collected: 08/08/23 11:40
Date Received: 08/09/23 08:15
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 16:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 16:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 16:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/17/23 09:22	08/17/23 16:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 16:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/17/23 09:22	08/17/23 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/17/23 09:22*	*08/17/23 16:29*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH01

Lab Sample ID: 890-5064-2
Matrix: Solid
Date Collected: 08/08/23 11:40
Date Received: 08/09/23 08:15
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/17/23 09:22*	*08/17/23 16:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 10:45	08/19/23 13:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 10:45	08/19/23 13:19	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 10:45	08/19/23 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*08/18/23 10:45*	*08/19/23 13:19*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/18/23 10:45*	*08/19/23 13:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		4.97		mg/Kg			08/11/23 21:58	1

Client Sample ID: PH02

Lab Sample ID: 890-5064-3
Matrix: Solid
Date Collected: 08/08/23 11:50
Date Received: 08/09/23 08:15
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 16:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/17/23 09:22	08/17/23 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 16:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/17/23 09:22	08/17/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/17/23 09:22*	*08/17/23 16:49*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/17/23 09:22*	*08/17/23 16:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 10:12	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH02

Date Collected: 08/08/23 11:50
Date Received: 08/09/23 08:15
Sample Depth: 2

Lab Sample ID: 890-5064-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 13:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 13:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*08/18/23 10:45*	*08/19/23 13:41*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/18/23 10:45*	*08/19/23 13:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**813**		4.96		mg/Kg			08/11/23 22:05	1

Client Sample ID: PH02

Date Collected: 08/08/23 12:00
Date Received: 08/09/23 08:15
Sample Depth: 4

Lab Sample ID: 890-5064-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/17/23 09:22	08/17/23 17:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/17/23 09:22	08/17/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/17/23 09:22*	*08/17/23 17:09*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/17/23 09:22*	*08/17/23 17:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 14:03	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 14:03	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*08/18/23 10:45*	*08/19/23 14:03*	*1*
o-Terphenyl	*84*		*70 - 130*	*08/18/23 10:45*	*08/19/23 14:03*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH02

Lab Sample ID: 890-5064-4
Matrix: Solid
Date Collected: 08/08/23 12:00
Date Received: 08/09/23 08:15
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		5.02		mg/Kg			08/11/23 22:12	1

Client Sample ID: PH03

Lab Sample ID: 890-5064-5
Matrix: Solid
Date Collected: 08/08/23 12:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/17/23 09:22	08/17/23 17:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 17:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/17/23 09:22	08/17/23 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*08/17/23 09:22*	*08/17/23 17:30*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/17/23 09:22*	*08/17/23 17:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/18/23 10:45	08/19/23 14:26	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/18/23 10:45	08/19/23 14:26	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/18/23 10:45	08/19/23 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*08/18/23 10:45*	*08/19/23 14:26*	*1*
o-Terphenyl	*87*		*70 - 130*	*08/18/23 10:45*	*08/19/23 14:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		4.99		mg/Kg			08/11/23 22:19	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH03

Lab Sample ID: 890-5064-6
Matrix: Solid
Date Collected: 08/08/23 12:20
Date Received: 08/09/23 08:15
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 17:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 17:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 17:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/17/23 09:22	08/17/23 17:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 17:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/17/23 09:22	08/17/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/17/23 09:22*	*08/17/23 17:50*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/17/23 09:22*	*08/17/23 17:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/18/23 10:45	08/19/23 14:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/18/23 10:45	08/19/23 14:49	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 10:45	08/19/23 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*08/18/23 10:45*	*08/19/23 14:49*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/18/23 10:45*	*08/19/23 14:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**529**		4.98		mg/Kg			08/11/23 22:41	1

Client Sample ID: PH04

Lab Sample ID: 890-5064-7
Matrix: Solid
Date Collected: 08/08/23 12:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/17/23 09:22	08/17/23 18:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:11	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/17/23 09:22	08/17/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/17/23 09:22*	*08/17/23 18:11*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 08/08/23 12:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

Lab Sample ID: 890-5064-7
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/17/23 09:22*	*08/17/23 18:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 10:45	08/19/23 15:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 10:45	08/19/23 15:12	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 10:45	08/19/23 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*83*		*70 - 130*	*08/18/23 10:45*	*08/19/23 15:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/18/23 10:45*	*08/19/23 15:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**154**		5.01		mg/Kg			08/11/23 22:48	1

Client Sample ID: PH04

Date Collected: 08/08/23 12:40
Date Received: 08/09/23 08:15
Sample Depth: 4

Lab Sample ID: 890-5064-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/17/23 09:22	08/17/23 18:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 18:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/17/23 09:22	08/17/23 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/17/23 09:22*	*08/17/23 18:31*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/17/23 09:22*	*08/17/23 18:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 10:12	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH04

Lab Sample ID: 890-5064-8
Matrix: Solid
Date Collected: 08/08/23 12:40
Date Received: 08/09/23 08:15
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 15:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 15:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*08/18/23 10:45*	*08/19/23 15:57*	*1*
o-Terphenyl	*87*		*70 - 130*	*08/18/23 10:45*	*08/19/23 15:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		5.03		mg/Kg			08/11/23 22:55	1

Client Sample ID: PH05

Lab Sample ID: 890-5064-9
Matrix: Solid
Date Collected: 08/08/23 12:50
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 18:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 18:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 18:51	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/17/23 09:22	08/17/23 18:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 18:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/17/23 09:22	08/17/23 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/17/23 09:22*	*08/17/23 18:51*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/17/23 09:22*	*08/17/23 18:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/18/23 10:45	08/19/23 16:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/18/23 10:45	08/19/23 16:20	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/18/23 10:45	08/19/23 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*08/18/23 10:45*	*08/19/23 16:20*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/18/23 10:45*	*08/19/23 16:20*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH05

Lab Sample ID: 890-5064-9
Matrix: Solid
Date Collected: 08/08/23 12:50
Date Received: 08/09/23 08:15
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.95		mg/Kg			08/11/23 23:02	1

Client Sample ID: PH05

Lab Sample ID: 890-5064-10
Matrix: Solid
Date Collected: 08/08/23 13:00
Date Received: 08/09/23 08:15
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 19:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 19:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 19:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/17/23 09:22	08/17/23 19:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 19:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/17/23 09:22	08/17/23 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/17/23 09:22*	*08/17/23 19:12*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/17/23 09:22*	*08/17/23 19:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/18/23 10:45	08/19/23 16:43	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/18/23 10:45	08/19/23 16:43	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/18/23 10:45	08/19/23 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*08/18/23 10:45*	*08/19/23 16:43*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/18/23 10:45*	*08/19/23 16:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.96		mg/Kg			08/11/23 23:10	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH06

Lab Sample ID: 890-5064-11
Matrix: Solid

Date Collected: 08/08/23 13:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 21:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 21:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 21:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/17/23 09:22	08/17/23 21:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 21:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/17/23 09:22	08/17/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/17/23 09:22*	*08/17/23 21:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/17/23 09:22*	*08/17/23 21:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/18/23 10:45	08/19/23 17:05	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/18/23 10:45	08/19/23 17:05	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/18/23 10:45	08/19/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*08/18/23 10:45*	*08/19/23 17:05*	*1*
o-Terphenyl	*82*		*70 - 130*	*08/18/23 10:45*	*08/19/23 17:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.7**		5.02		mg/Kg			08/11/23 23:17	1

Client Sample ID: PH06

Lab Sample ID: 890-5064-12
Matrix: Solid

Date Collected: 08/08/23 13:20
Date Received: 08/09/23 08:15
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 21:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 21:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 21:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/17/23 09:22	08/17/23 21:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 21:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/17/23 09:22	08/17/23 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/17/23 09:22*	*08/17/23 21:23*	*1*

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH06

Lab Sample ID: 890-5064-12
Matrix: Solid
Date Collected: 08/08/23 13:20
Date Received: 08/09/23 08:15
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/17/23 09:22*	*08/17/23 21:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 17:27	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 17:27	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 10:45	08/19/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*08/18/23 10:45*	*08/19/23 17:27*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/18/23 10:45*	*08/19/23 17:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.0**		4.98		mg/Kg			08/11/23 23:38	1

Client Sample ID: PH07

Lab Sample ID: 890-5064-13
Matrix: Solid
Date Collected: 08/08/23 13:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 21:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 21:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 21:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/17/23 09:22	08/17/23 21:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/17/23 09:22	08/17/23 21:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/17/23 09:22	08/17/23 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*08/17/23 09:22*	*08/17/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/17/23 09:22*	*08/17/23 21:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 10:12	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH07

Date Collected: 08/08/23 13:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

Lab Sample ID: 890-5064-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/18/23 10:45	08/19/23 17:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/18/23 10:45	08/19/23 17:49	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 10:45	08/19/23 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*08/18/23 10:45*	*08/19/23 17:49*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/18/23 10:45*	*08/19/23 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5790**		49.6		mg/Kg			08/11/23 23:46	10

Client Sample ID: PH07

Date Collected: 08/08/23 13:40
Date Received: 08/09/23 08:15
Sample Depth: 6

Lab Sample ID: 890-5064-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/17/23 09:22	08/17/23 22:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/17/23 09:22	08/17/23 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/17/23 09:22*	*08/17/23 22:04*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/17/23 09:22*	*08/17/23 22:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 18:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 18:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*08/18/23 10:45*	*08/19/23 18:11*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/18/23 10:45*	*08/19/23 18:11*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH07

Lab Sample ID: 890-5064-14
Matrix: Solid
Date Collected: 08/08/23 13:40
Date Received: 08/09/23 08:15
Sample Depth: 6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	557		5.02		mg/Kg			08/12/23 00:07	1

Client Sample ID: PH08

Lab Sample ID: 890-5064-15
Matrix: Solid
Date Collected: 08/08/23 13:50
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/17/23 09:22	08/17/23 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 22:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/17/23 09:22	08/17/23 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/17/23 09:22*	*08/17/23 22:24*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/17/23 09:22*	*08/17/23 22:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 18:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 18:33	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/18/23 10:45*	*08/19/23 18:33*	*1*
o-Terphenyl	*85*		*70 - 130*	*08/18/23 10:45*	*08/19/23 18:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		5.00		mg/Kg			08/12/23 00:14	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH08

Lab Sample ID: 890-5064-16
Matrix: Solid

Date Collected: 08/08/23 14:00
Date Received: 08/09/23 08:15
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 22:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 22:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 22:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/17/23 09:22	08/17/23 22:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/17/23 09:22	08/17/23 22:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/17/23 09:22	08/17/23 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*08/17/23 09:22*	*08/17/23 22:45*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/17/23 09:22*	*08/17/23 22:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/18/23 10:45	08/19/23 18:56	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/18/23 10:45	08/19/23 18:56	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/18/23 10:45	08/19/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*08/18/23 10:45*	*08/19/23 18:56*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/18/23 10:45*	*08/19/23 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		4.99		mg/Kg			08/12/23 00:21	1

Client Sample ID: PH09

Lab Sample ID: 890-5064-17
Matrix: Solid

Date Collected: 08/08/23 14:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 23:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 23:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 23:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/17/23 09:22	08/17/23 23:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/17/23 09:22	08/17/23 23:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/17/23 09:22	08/17/23 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/17/23 09:22*	*08/17/23 23:05*	*1*

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH09

Date Collected: 08/08/23 14:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

Lab Sample ID: 890-5064-17
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/17/23 09:22*	*08/17/23 23:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 19:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 19:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 10:45	08/19/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*08/18/23 10:45*	*08/19/23 19:17*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/18/23 10:45*	*08/19/23 19:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.1**		4.99		mg/Kg			08/12/23 00:29	1

Client Sample ID: PH09

Date Collected: 08/08/23 14:20
Date Received: 08/09/23 08:15
Sample Depth: 1

Lab Sample ID: 890-5064-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 23:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 23:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 23:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/17/23 09:22	08/17/23 23:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/17/23 09:22	08/17/23 23:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/17/23 09:22	08/17/23 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/17/23 09:22*	*08/17/23 23:25*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*08/17/23 09:22*	*08/17/23 23:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/18/23 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/21/23 13:36	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH09

Lab Sample ID: 890-5064-18
Matrix: Solid
Date Collected: 08/08/23 14:20
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/18/23 12:36	08/20/23 10:36	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/18/23 12:36	08/20/23 10:36	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/18/23 12:36	08/20/23 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*08/18/23 12:36*	*08/20/23 10:36*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/18/23 12:36*	*08/20/23 10:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.7**		4.97		mg/Kg			08/12/23 00:36	1

Client Sample ID: PH10

Lab Sample ID: 890-5064-19
Matrix: Solid
Date Collected: 08/08/23 14:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:11	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/17/23 13:58	08/19/23 13:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:11	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/17/23 13:58	08/19/23 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/17/23 13:58*	*08/19/23 13:11*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*08/17/23 13:58*	*08/19/23 13:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/21/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 11:41	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 11:41	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*08/18/23 12:36*	*08/20/23 11:41*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/18/23 12:36*	*08/20/23 11:41*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH10

Lab Sample ID: 890-5064-19
Matrix: Solid
Date Collected: 08/08/23 14:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		4.98		mg/Kg			08/12/23 00:43	1

Client Sample ID: PH10

Lab Sample ID: 890-5064-20
Matrix: Solid
Date Collected: 08/08/23 14:40
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/17/23 13:58	08/19/23 13:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:58	08/19/23 13:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/17/23 13:58	08/19/23 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*08/17/23 13:58*	*08/19/23 13:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/17/23 13:58*	*08/19/23 13:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/21/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/18/23 12:36	08/20/23 12:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/18/23 12:36	08/20/23 12:03	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/18/23 12:36	08/20/23 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*08/18/23 12:36*	*08/20/23 12:03*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/18/23 12:36*	*08/20/23 12:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.4		4.95		mg/Kg			08/12/23 00:50	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH11

Lab Sample ID: 890-5064-21
Matrix: Solid

Date Collected: 08/08/23 14:50
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 04:07	1
Toluene	**0.00269**		0.00200		mg/Kg		08/18/23 09:22	08/19/23 04:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 04:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/18/23 09:22	08/19/23 04:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 04:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/18/23 09:22	08/19/23 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/18/23 09:22*	*08/19/23 04:07*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/18/23 09:22*	*08/19/23 04:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 12:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 12:25	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*08/18/23 12:36*	*08/20/23 12:25*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/18/23 12:36*	*08/20/23 12:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.2**		4.98		mg/Kg			08/11/23 22:26	1

Client Sample ID: PH11

Lab Sample ID: 890-5064-22
Matrix: Solid

Date Collected: 08/08/23 15:00
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 04:27	1
Toluene	**0.00299**		0.00198		mg/Kg		08/18/23 09:22	08/19/23 04:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 04:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/18/23 09:22	08/19/23 04:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 04:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/18/23 09:22	08/19/23 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/18/23 09:22*	*08/19/23 04:27*	*1*

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH11

Lab Sample ID: 890-5064-22
Matrix: Solid

Date Collected: 08/08/23 15:00
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/18/23 09:22*	*08/19/23 04:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/18/23 12:36	08/20/23 12:47	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/18/23 12:36	08/20/23 12:47	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 12:36	08/20/23 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*08/18/23 12:36*	*08/20/23 12:47*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/18/23 12:36*	*08/20/23 12:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.9**		4.96		mg/Kg			08/11/23 22:46	1

Client Sample ID: PH12

Lab Sample ID: 890-5064-23
Matrix: Solid

Date Collected: 08/08/23 15:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/18/23 09:22	08/19/23 04:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/18/23 09:22	08/19/23 04:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/18/23 09:22	08/19/23 04:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/18/23 09:22	08/19/23 04:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/18/23 09:22	08/19/23 04:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/18/23 09:22	08/19/23 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/18/23 09:22*	*08/19/23 04:48*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/18/23 09:22*	*08/19/23 04:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 13:36	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH12

Lab Sample ID: 890-5064-23
Matrix: Solid
Date Collected: 08/08/23 15:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 12:36	08/20/23 13:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 12:36	08/20/23 13:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 12:36	08/20/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*08/18/23 12:36*	*08/20/23 13:09*	*1*
o-Terphenyl	*114*		*70 - 130*	*08/18/23 12:36*	*08/20/23 13:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.4**		5.04		mg/Kg			08/11/23 22:53	1

Client Sample ID: PH12

Lab Sample ID: 890-5064-24
Matrix: Solid
Date Collected: 08/08/23 15:20
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/18/23 09:22	08/19/23 05:08	1
Toluene	**0.00212**		0.00201		mg/Kg		08/18/23 09:22	08/19/23 05:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/18/23 09:22	08/19/23 05:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/18/23 09:22	08/19/23 05:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/18/23 09:22	08/19/23 05:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/18/23 09:22	08/19/23 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/18/23 09:22*	*08/19/23 05:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/18/23 09:22*	*08/19/23 05:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 13:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 13:31	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*08/18/23 12:36*	*08/20/23 13:31*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/18/23 12:36*	*08/20/23 13:31*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH12

Lab Sample ID: 890-5064-24
Matrix: Solid
Date Collected: 08/08/23 15:20
Date Received: 08/09/23 08:15
Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.9		5.05		mg/Kg			08/11/23 22:59	1

Client Sample ID: PH13

Lab Sample ID: 890-5064-25
Matrix: Solid
Date Collected: 08/08/23 15:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/18/23 09:22	08/19/23 05:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/18/23 09:22	08/19/23 05:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/18/23 09:22	08/19/23 05:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/18/23 09:22	08/19/23 05:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/18/23 09:22	08/19/23 05:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/18/23 09:22	08/19/23 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/18/23 09:22*	*08/19/23 05:29*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/18/23 09:22*	*08/19/23 05:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/18/23 12:36	08/20/23 13:53	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/18/23 12:36	08/20/23 13:53	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/18/23 12:36	08/20/23 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*08/18/23 12:36*	*08/20/23 13:53*	*1*
o-Terphenyl	*93*		*70 - 130*	*08/18/23 12:36*	*08/20/23 13:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.2		4.98		mg/Kg			08/11/23 23:06	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH13

Lab Sample ID: 890-5064-26
Matrix: Solid
Date Collected: 08/08/23 15:40
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 05:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 05:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 05:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/18/23 09:22	08/19/23 05:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 05:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/18/23 09:22	08/19/23 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*08/18/23 09:22*	*08/19/23 05:49*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/18/23 09:22*	*08/19/23 05:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 12:36	08/20/23 14:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 12:36	08/20/23 14:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 12:36	08/20/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*08/18/23 12:36*	*08/20/23 14:15*	*1*
o-Terphenyl	*109*		*70 - 130*	*08/18/23 12:36*	*08/20/23 14:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.0**		5.02		mg/Kg			08/11/23 23:12	1

Client Sample ID: PH14

Lab Sample ID: 890-5064-27
Matrix: Solid
Date Collected: 08/08/23 15:50
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 07:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 07:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 07:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/18/23 09:22	08/19/23 07:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 07:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/18/23 09:22	08/19/23 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/18/23 09:22*	*08/19/23 07:39*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH14

Lab Sample ID: 890-5064-27
Matrix: Solid

Date Collected: 08/08/23 15:50
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/18/23 09:22*	*08/19/23 07:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 14:38	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 14:38	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/18/23 12:36	08/20/23 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*08/18/23 12:36*	*08/20/23 14:38*	*1*
o-Terphenyl	*99*		*70 - 130*	*08/18/23 12:36*	*08/20/23 14:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.6**		5.01		mg/Kg			08/11/23 23:19	1

Client Sample ID: PH14

Lab Sample ID: 890-5064-28
Matrix: Solid

Date Collected: 08/08/23 16:00
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/18/23 09:22	08/19/23 07:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/18/23 09:22	08/19/23 07:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/18/23 09:22	08/19/23 07:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/18/23 09:22	08/19/23 07:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/18/23 09:22	08/19/23 07:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/18/23 09:22	08/19/23 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/18/23 09:22*	*08/19/23 07:59*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/18/23 09:22*	*08/19/23 07:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/21/23 13:36	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH14

Lab Sample ID: 890-5064-28
Matrix: Solid
Date Collected: 08/08/23 16:00
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/18/23 12:36	08/20/23 15:22	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/18/23 12:36	08/20/23 15:22	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/18/23 12:36	08/20/23 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*08/18/23 12:36*	*08/20/23 15:22*	*1*
o-Terphenyl	*99*		*70 - 130*	*08/18/23 12:36*	*08/20/23 15:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.1**		4.98		mg/Kg			08/11/23 23:39	1

Client Sample ID: PH15

Lab Sample ID: 890-5064-29
Matrix: Solid
Date Collected: 08/08/23 16:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/18/23 09:22	08/19/23 08:20	1
Toluene	**0.00220**		0.00199		mg/Kg		08/18/23 09:22	08/19/23 08:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/18/23 09:22	08/19/23 08:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/18/23 09:22	08/19/23 08:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/18/23 09:22	08/19/23 08:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/18/23 09:22	08/19/23 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*08/18/23 09:22*	*08/19/23 08:20*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/18/23 09:22*	*08/19/23 08:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/18/23 12:36	08/20/23 15:45	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/18/23 12:36	08/20/23 15:45	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/18/23 12:36	08/20/23 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/18/23 12:36*	*08/20/23 15:45*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/18/23 12:36*	*08/20/23 15:45*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH15

Lab Sample ID: 890-5064-29
Matrix: Solid
Date Collected: 08/08/23 16:10
Date Received: 08/09/23 08:15
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.4		4.97		mg/Kg			08/11/23 23:46	1

Client Sample ID: PH15

Lab Sample ID: 890-5064-30
Matrix: Solid
Date Collected: 08/08/23 16:20
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 08:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 08:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 08:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/18/23 09:22	08/19/23 08:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/18/23 09:22	08/19/23 08:40	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/18/23 09:22	08/19/23 08:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/18/23 09:22*	*08/19/23 08:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/18/23 09:22*	*08/19/23 08:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/21/23 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 16:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 16:08	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/18/23 12:36*	*08/20/23 16:08*	*1*
o-Terphenyl	*82*		*70 - 130*	*08/18/23 12:36*	*08/20/23 16:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.6		5.02		mg/Kg			08/12/23 00:06	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH16

Lab Sample ID: 890-5064-31
Matrix: Solid

Date Collected: 08/08/23 16:30
Date Received: 08/09/23 08:15
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/17/23 13:00	08/18/23 19:34	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		08/17/23 13:00	08/18/23 19:34	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		08/17/23 13:00	08/18/23 19:34	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		08/17/23 13:00	08/18/23 19:34	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		08/17/23 13:00	08/18/23 19:34	1
Xylenes, Total	<0.00396	U *- *1	0.00396		mg/Kg		08/17/23 13:00	08/18/23 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/17/23 13:00*	*08/18/23 19:34*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*08/17/23 13:00*	*08/18/23 19:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/21/23 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 16:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 16:30	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/18/23 12:36	08/20/23 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*08/18/23 12:36*	*08/20/23 16:30*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/18/23 12:36*	*08/20/23 16:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.1**		5.00		mg/Kg			08/12/23 00:12	1

Client Sample ID: PH16

Lab Sample ID: 890-5064-32
Matrix: Solid

Date Collected: 08/08/23 16:40
Date Received: 08/09/23 08:15
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/17/23 13:00	08/18/23 19:55	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		08/17/23 13:00	08/18/23 19:55	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		08/17/23 13:00	08/18/23 19:55	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		08/17/23 13:00	08/18/23 19:55	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		08/17/23 13:00	08/18/23 19:55	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		08/17/23 13:00	08/18/23 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*08/17/23 13:00*	*08/18/23 19:55*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH16

Date Collected: 08/08/23 16:40
Date Received: 08/09/23 08:15
Sample Depth: 1

Lab Sample ID: 890-5064-32

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*08/17/23 13:00*	*08/18/23 19:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/21/23 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/23 12:36	08/20/23 16:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/23 12:36	08/20/23 16:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/23 12:36	08/20/23 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*08/18/23 12:36*	*08/20/23 16:53*	*1*
o-Terphenyl	*93*		*70 - 130*	*08/18/23 12:36*	*08/20/23 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.8**		4.99		mg/Kg			08/12/23 00:19	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-31900-A-21-D MS	Matrix Spike	110	100										
880-31900-A-21-E MSD	Matrix Spike Duplicate	104	99										
880-32224-A-1-B MS	Matrix Spike	87	106										
880-32224-A-1-C MSD	Matrix Spike Duplicate	83	108										
890-5057-A-1-D MS	Matrix Spike	120	95										
890-5057-A-1-E MSD	Matrix Spike Duplicate	106	101										
890-5064-1	PH01	85	85										
890-5064-1 MS	PH01	99	98										
890-5064-1 MSD	PH01	102	92										
890-5064-2	PH01	95	91										
890-5064-3	PH02	95	88										
890-5064-4	PH02	98	92										
890-5064-5	PH03	105	89										
890-5064-6	PH03	96	89										
890-5064-7	PH04	94	89										
890-5064-8	PH04	85	91										
890-5064-9	PH05	89	91										
890-5064-10	PH05	87	92										
890-5064-11	PH06	78	91										
890-5064-12	PH06	87	96										
890-5064-13	PH07	83	93										
890-5064-14	PH07	77	96										
890-5064-15	PH08	93	95										
890-5064-16	PH08	88	101										
890-5064-17	PH09	86	91										
890-5064-18	PH09	89	102										
890-5064-19	PH10	112	103										
890-5064-20	PH10	115	100										
890-5064-21	PH11	96	89										
890-5064-22	PH11	96	92										
890-5064-23	PH12	86	89										
890-5064-24	PH12	86	96										
890-5064-25	PH13	91	89										
890-5064-26	PH13	97	92										
890-5064-27	PH14	78	89										
890-5064-28	PH14	86	92										
890-5064-29	PH15	82	88										
890-5064-30	PH15	94	96										
890-5064-31	PH16	77	120										
890-5064-32	PH16	80	118										
LCS 880-60434/1-A	Lab Control Sample	113	92										
LCS 880-60466/1-A	Lab Control Sample	46 S1-	79										
LCS 880-60488/1-A	Lab Control Sample	86	93										
LCS 880-60548/1-A	Lab Control Sample	121	97										
LCSD 880-60434/2-A	Lab Control Sample Dup	109	93										
LCSD 880-60466/2-A	Lab Control Sample Dup	90	103										
LCSD 880-60488/2-A	Lab Control Sample Dup	93	87										
LCSD 880-60548/2-A	Lab Control Sample Dup	104	90										
MB 880-60434/5-A	Method Blank	101	107										

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Job ID: 890-5064-1
Project/Site: WEU 522
SDG: Lea County NM

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
MB 880-60466/5-A	Method Blank	74	94
MB 880-60474/5-A	Method Blank	102	119
MB 880-60488/5-A	Method Blank	65 S1-	96
MB 880-60548/5-A	Method Blank	105	106
MB 880-60566/5-A	Method Blank	57 S1-	0.1 S1-

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-32224-A-1-F MS	Matrix Spike	82	68 S1-
880-32224-A-1-G MSD	Matrix Spike Duplicate	87	68 S1-
890-5064-1	PH01	77	86
890-5064-2	PH01	81	90
890-5064-3	PH02	81	85
890-5064-4	PH02	81	84
890-5064-5	PH03	81	87
890-5064-6	PH03	87	95
890-5064-7	PH04	83	88
890-5064-8	PH04	79	87
890-5064-9	PH05	81	85
890-5064-10	PH05	85	92
890-5064-11	PH06	78	82
890-5064-12	PH06	78	85
890-5064-13	PH07	79	85
890-5064-14	PH07	78	86
890-5064-15	PH08	82	85
890-5064-16	PH08	80	86
890-5064-17	PH09	83	86
890-5064-18	PH09	118	103
890-5064-18 MS	PH09	121	95
890-5064-18 MSD	PH09	123	95
890-5064-19	PH10	115	102
890-5064-20	PH10	119	105
890-5064-21	PH11	115	101
890-5064-22	PH11	113	101
890-5064-23	PH12	135 S1+	114
890-5064-24	PH12	111	98
890-5064-25	PH13	108	93
890-5064-26	PH13	126	109
890-5064-27	PH14	114	99
890-5064-28	PH14	116	99
890-5064-29	PH15	120	100
890-5064-30	PH15	96	82
890-5064-31	PH16	117	96

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-5064-32	PH16	114	93								
LCS 880-60570/2-A	Lab Control Sample	99	101								
LCS 880-60573/2-A	Lab Control Sample	117	101								
LCSD 880-60570/3-A	Lab Control Sample Dup	104	100								
LCSD 880-60573/3-A	Lab Control Sample Dup	143 S1+	124								
MB 880-60570/1-A	Method Blank	107	115								
MB 880-60573/1-A	Method Blank	163 S1+	146 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60434/5-A
Matrix: Solid
Analysis Batch: 60427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 15:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 15:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 15:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/17/23 09:22	08/17/23 15:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 09:22	08/17/23 15:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/17/23 09:22	08/17/23 15:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/17/23 09:22*	*08/17/23 15:39*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/17/23 09:22*	*08/17/23 15:39*	*1*

Lab Sample ID: LCS 880-60434/1-A
Matrix: Solid
Analysis Batch: 60427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1122		mg/Kg		112	70 - 130
Toluene	0.100	0.1065		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1212		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2326		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-60434/2-A
Matrix: Solid
Analysis Batch: 60427

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1158		mg/Kg		116	70 - 130	3	35
Toluene	0.100	0.1128		mg/Kg		113	70 - 130	6	35
Ethylbenzene	0.100	0.1220		mg/Kg		122	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2349		mg/Kg		117	70 - 130	1	35
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-5064-1 MS
Matrix: Solid
Analysis Batch: 60427

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0994	0.1092		mg/Kg		110	70 - 130
Toluene	<0.00198	U	0.0994	0.1028		mg/Kg		103	70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: 890-5064-1 MS
Matrix: Solid
Analysis Batch: 60427

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0994	0.09809		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1826		mg/Kg		92	70 - 130
o-Xylene	<0.00198	U	0.0994	0.09404		mg/Kg		95	70 - 130

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

Lab Sample ID: 890-5064-1 MSD
Matrix: Solid
Analysis Batch: 60427

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09827		mg/Kg		98	70 - 130	11	35
Toluene	<0.00198	U	0.100	0.09546		mg/Kg		95	70 - 130	7	35
Ethylbenzene	<0.00198	U	0.100	0.1016		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene	<0.00396	U	0.201	0.1998		mg/Kg		100	70 - 130	9	35
o-Xylene	<0.00198	U	0.100	0.08999		mg/Kg		90	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-60466/5-A
Matrix: Solid
Analysis Batch: 60525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:00	08/18/23 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/17/23 13:00	08/18/23 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*08/17/23 13:00*	*08/18/23 11:39*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/17/23 13:00*	*08/18/23 11:39*	*1*

Lab Sample ID: LCS 880-60466/1-A
Matrix: Solid
Analysis Batch: 60525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1085		mg/Kg		108	70 - 130
Toluene	0.100	0.05476	*-	mg/Kg		55	70 - 130
Ethylbenzene	0.100	0.04346	*-	mg/Kg		43	70 - 130
m-Xylene & p-Xylene	0.200	0.08777	*-	mg/Kg		44	70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-60466/1-A
Matrix: Solid
Analysis Batch: 60525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60466

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.04199	*-	mg/Kg		42	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*46*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: LCSD 880-60466/2-A
Matrix: Solid
Analysis Batch: 60525

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60466

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1110		mg/Kg		111	70 - 130	2	35
Toluene			0.100	0.1022	*1	mg/Kg		102	70 - 130	60	35
Ethylbenzene			0.100	0.08722	*1	mg/Kg		87	70 - 130	67	35
m-Xylene & p-Xylene			0.200	0.1836	*1	mg/Kg		92	70 - 130	71	35
o-Xylene			0.100	0.09055	*1	mg/Kg		91	70 - 130	73	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-32224-A-1-B MS
Matrix: Solid
Analysis Batch: 60525

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0996	0.1128		mg/Kg		113	70 - 130		
Toluene	<0.00198	U *- *1	0.0996	0.09537		mg/Kg		96	70 - 130		
Ethylbenzene	<0.00198	U *- *1 F1	0.0996	0.07643		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.199	0.1569		mg/Kg		79	70 - 130		
o-Xylene	<0.00198	U *- *1 F1	0.0996	0.07842		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-32224-A-1-C MSD
Matrix: Solid
Analysis Batch: 60525

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1098		mg/Kg		110	70 - 130	3	35
Toluene	<0.00198	U *- *1	0.100	0.09026		mg/Kg		90	70 - 130	6	35
Ethylbenzene	<0.00198	U *- *1 F1	0.100	0.06801	F1	mg/Kg		68	70 - 130	12	35
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.200	0.1347	F1	mg/Kg		67	70 - 130	15	35
o-Xylene	<0.00198	U *- *1 F1	0.100	0.06743	F1	mg/Kg		67	70 - 130	15	35

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: 880-32224-A-1-C MSD
Matrix: Solid
Analysis Batch: 60525

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60466

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: MB 880-60474/5-A
Matrix: Solid
Analysis Batch: 60526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:33	08/18/23 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:33	08/18/23 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:33	08/18/23 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/17/23 13:33	08/18/23 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:33	08/18/23 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/17/23 13:33	08/18/23 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/17/23 13:33	08/18/23 12:08	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/17/23 13:33	08/18/23 12:08	1

Lab Sample ID: MB 880-60488/5-A
Matrix: Solid
Analysis Batch: 60527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60488

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:58	08/19/23 04:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:58	08/19/23 04:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:58	08/19/23 04:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/17/23 13:58	08/19/23 04:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/17/23 13:58	08/19/23 04:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/17/23 13:58	08/19/23 04:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	08/17/23 13:58	08/19/23 04:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/17/23 13:58	08/19/23 04:10	1

Lab Sample ID: LCS 880-60488/1-A
Matrix: Solid
Analysis Batch: 60527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09308		mg/Kg		93	70 - 130
Toluene	0.100	0.09011		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08683		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1674		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08564		mg/Kg		86	70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-60488/1-A
Matrix: Solid
Analysis Batch: 60527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60488

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-60488/2-A
Matrix: Solid
Analysis Batch: 60527

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60488

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08411		mg/Kg		84	70 - 130	10	35
Toluene			0.100	0.08904		mg/Kg		89	70 - 130	1	35
Ethylbenzene			0.100	0.08917		mg/Kg		89	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1716		mg/Kg		86	70 - 130	2	35
o-Xylene			0.100	0.08590		mg/Kg		86	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-31900-A-21-D MS
Matrix: Solid
Analysis Batch: 60527

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60488

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.0996	0.05547	F1	mg/Kg		56	70 - 130		
Toluene	<0.00199	U F1	0.0996	0.03444	F1	mg/Kg		35	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0996	0.02781	F1	mg/Kg		28	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.04091	F1	mg/Kg		21	70 - 130		
o-Xylene	<0.00199	U F1	0.0996	0.02418	F1	mg/Kg		24	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-31900-A-21-E MSD
Matrix: Solid
Analysis Batch: 60527

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60488

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.05055	F1	mg/Kg		50	70 - 130	9	35
Toluene	<0.00199	U F1	0.101	0.03358	F1	mg/Kg		33	70 - 130	3	35
Ethylbenzene	<0.00199	U F1	0.101	0.02610	F1	mg/Kg		26	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.03222	F1	mg/Kg		16	70 - 130	24	35
o-Xylene	<0.00199	U F1	0.101	0.01982	F1	mg/Kg		20	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60548/5-A
Matrix: Solid
Analysis Batch: 60526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 02:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 02:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 02:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/23 09:22	08/19/23 02:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/23 09:22	08/19/23 02:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/23 09:22	08/19/23 02:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*08/18/23 09:22*	*08/19/23 02:16*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*08/18/23 09:22*	*08/19/23 02:16*	*1*

Lab Sample ID: LCS 880-60548/1-A
Matrix: Solid
Analysis Batch: 60526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60548

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1225		mg/Kg		123	70 - 130		
Toluene			0.100	0.1073		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.1199		mg/Kg		120	70 - 130		
m-Xylene & p-Xylene			0.200	0.2283		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.09771		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-60548/2-A
Matrix: Solid
Analysis Batch: 60526

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60548

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1169		mg/Kg		117	70 - 130	5	35
Toluene			0.100	0.1062		mg/Kg		106	70 - 130	1	35
Ethylbenzene			0.100	0.1139		mg/Kg		114	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2143		mg/Kg		107	70 - 130	6	35
o-Xylene			0.100	0.09471		mg/Kg		95	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-5057-A-1-D MS
Matrix: Solid
Analysis Batch: 60526

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60548

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.1229		mg/Kg		123	70 - 130		
Toluene	<0.00199	U	0.0996	0.1054		mg/Kg		105	70 - 130		

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: 890-5057-A-1-D MS
Matrix: Solid
Analysis Batch: 60526

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60548

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.1206		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2210		mg/Kg		111	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09354		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-5057-A-1-E MSD
Matrix: Solid
Analysis Batch: 60526

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60548

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1286		mg/Kg		128	70 - 130	5	35
Toluene	<0.00199	U	0.101	0.1117		mg/Kg		110	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.101	0.1155		mg/Kg		115	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2033		mg/Kg		101	70 - 130	8	35
o-Xylene	<0.00199	U	0.101	0.09153		mg/Kg		91	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-60566/5-A
Matrix: Solid
Analysis Batch: 60527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/23 10:40	08/18/23 14:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/23 10:40	08/18/23 14:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/23 10:40	08/18/23 14:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/23 10:40	08/18/23 14:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/23 10:40	08/18/23 14:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/23 10:40	08/18/23 14:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*	*S1-*	*70 - 130*	*08/18/23 10:40*	*08/18/23 14:19*	*1*
1,4-Difluorobenzene (Surr)	*0.1*	*S1-*	*70 - 130*	*08/18/23 10:40*	*08/18/23 14:19*	*1*

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

Lab Sample ID: MB 880-60570/1-A
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 08:00	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60570/1-A
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 08:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 10:45	08/19/23 08:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*08/18/23 10:45*	*08/19/23 08:00*	*1*
o-Terphenyl	*115*		*70 - 130*	*08/18/23 10:45*	*08/19/23 08:00*	*1*

Lab Sample ID: LCS 880-60570/2-A
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60570

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	899.2		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1019		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-60570/3-A
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60570

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	900.0		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1095		mg/Kg		109	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-32224-A-1-F MS
Matrix: Solid
Analysis Batch: 60614

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1122		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U F1	999	1554	F1	mg/Kg		152	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*68*	*S1-*	*70 - 130*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: 880-32224-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60614 — **Prep Batch: 60570**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1156		mg/Kg		113	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	999	1604	F1	mg/Kg		157	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*68*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-60573/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60627 — **Prep Batch: 60573**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/23 12:36	08/20/23 08:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/23 12:36	08/20/23 08:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/23 12:36	08/20/23 08:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*163*	*S1+*	*70 - 130*	*08/18/23 12:36*	*08/20/23 08:03*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*08/18/23 12:36*	*08/20/23 08:03*	*1*

Lab Sample ID: LCS 880-60573/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60627 — **Prep Batch: 60573**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	982.8		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	944.1		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-60573/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60627 — **Prep Batch: 60573**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1052		mg/Kg		105	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1048		mg/Kg		105	70 - 130	10	20

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-60573/3-A
Matrix: Solid
Analysis Batch: 60627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60573

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	143	S1+	70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: 890-5064-18 MS
Matrix: Solid
Analysis Batch: 60627

Client Sample ID: PH09
Prep Type: Total/NA
Prep Batch: 60573

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	993	1210		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	<50.5	U	993	1193		mg/Kg		118	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-5064-18 MSD
Matrix: Solid
Analysis Batch: 60627

Client Sample ID: PH09
Prep Type: Total/NA
Prep Batch: 60573

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	993	1221		mg/Kg		123	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.5	U	993	1215		mg/Kg		121	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	95		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59873/1-A
Matrix: Solid
Analysis Batch: 60015

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/11/23 21:15	1

Lab Sample ID: LCS 880-59873/2-A
Matrix: Solid
Analysis Batch: 60015

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.6		mg/Kg		103	90 - 110

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-59873/3-A
Matrix: Solid
Analysis Batch: 60015

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	258.0		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-5064-1 MS
Matrix: Solid
Analysis Batch: 60015

Client Sample ID: PH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	550		252	785.4		mg/Kg		94	90 - 110

Lab Sample ID: 890-5064-1 MSD
Matrix: Solid
Analysis Batch: 60015

Client Sample ID: PH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	550		252	785.1		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-5064-11 MS
Matrix: Solid
Analysis Batch: 60015

Client Sample ID: PH06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	84.7		251	357.6		mg/Kg		109	90 - 110

Lab Sample ID: 890-5064-11 MSD
Matrix: Solid
Analysis Batch: 60015

Client Sample ID: PH06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	84.7		251	358.3		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-59887/1-A
Matrix: Solid
Analysis Batch: 60020

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/11/23 21:26	1

Lab Sample ID: LCS 880-59887/2-A
Matrix: Solid
Analysis Batch: 60020

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	261.8		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-59887/3-A
Matrix: Solid
Analysis Batch: 60020

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	262.0		mg/Kg		105	90 - 110	0	20

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-5064-27 MS
Matrix: Solid
Analysis Batch: 60020

Client Sample ID: PH14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	77.6		251	333.7		mg/Kg		102	90 - 110		

Lab Sample ID: 890-5064-27 MSD
Matrix: Solid
Analysis Batch: 60020

Client Sample ID: PH14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	77.6		251	332.5		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

GC VOA

Analysis Batch: 60427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Total/NA	Solid	8021B	60434
890-5064-2	PH01	Total/NA	Solid	8021B	60434
890-5064-3	PH02	Total/NA	Solid	8021B	60434
890-5064-4	PH02	Total/NA	Solid	8021B	60434
890-5064-5	PH03	Total/NA	Solid	8021B	60434
890-5064-6	PH03	Total/NA	Solid	8021B	60434
890-5064-7	PH04	Total/NA	Solid	8021B	60434
890-5064-8	PH04	Total/NA	Solid	8021B	60434
890-5064-9	PH05	Total/NA	Solid	8021B	60434
890-5064-10	PH05	Total/NA	Solid	8021B	60434
890-5064-11	PH06	Total/NA	Solid	8021B	60434
890-5064-12	PH06	Total/NA	Solid	8021B	60434
890-5064-13	PH07	Total/NA	Solid	8021B	60434
890-5064-14	PH07	Total/NA	Solid	8021B	60434
890-5064-15	PH08	Total/NA	Solid	8021B	60434
890-5064-16	PH08	Total/NA	Solid	8021B	60434
890-5064-17	PH09	Total/NA	Solid	8021B	60434
890-5064-18	PH09	Total/NA	Solid	8021B	60434
MB 880-60434/5-A	Method Blank	Total/NA	Solid	8021B	60434
LCS 880-60434/1-A	Lab Control Sample	Total/NA	Solid	8021B	60434
LCSD 880-60434/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60434
890-5064-1 MS	PH01	Total/NA	Solid	8021B	60434
890-5064-1 MSD	PH01	Total/NA	Solid	8021B	60434

Prep Batch: 60434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Total/NA	Solid	5035	
890-5064-2	PH01	Total/NA	Solid	5035	
890-5064-3	PH02	Total/NA	Solid	5035	
890-5064-4	PH02	Total/NA	Solid	5035	
890-5064-5	PH03	Total/NA	Solid	5035	
890-5064-6	PH03	Total/NA	Solid	5035	
890-5064-7	PH04	Total/NA	Solid	5035	
890-5064-8	PH04	Total/NA	Solid	5035	
890-5064-9	PH05	Total/NA	Solid	5035	
890-5064-10	PH05	Total/NA	Solid	5035	
890-5064-11	PH06	Total/NA	Solid	5035	
890-5064-12	PH06	Total/NA	Solid	5035	
890-5064-13	PH07	Total/NA	Solid	5035	
890-5064-14	PH07	Total/NA	Solid	5035	
890-5064-15	PH08	Total/NA	Solid	5035	
890-5064-16	PH08	Total/NA	Solid	5035	
890-5064-17	PH09	Total/NA	Solid	5035	
890-5064-18	PH09	Total/NA	Solid	5035	
MB 880-60434/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60434/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60434/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5064-1 MS	PH01	Total/NA	Solid	5035	
890-5064-1 MSD	PH01	Total/NA	Solid	5035	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

GC VOA

Prep Batch: 60466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-31	PH16	Total/NA	Solid	5035	
890-5064-32	PH16	Total/NA	Solid	5035	
MB 880-60466/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60466/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60466/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32224-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-32224-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 60474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60474/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-19	PH10	Total/NA	Solid	5035	
890-5064-20	PH10	Total/NA	Solid	5035	
MB 880-60488/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60488/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60488/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31900-A-21-D MS	Matrix Spike	Total/NA	Solid	5035	
880-31900-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 60525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-31	PH16	Total/NA	Solid	8021B	60466
890-5064-32	PH16	Total/NA	Solid	8021B	60466
MB 880-60466/5-A	Method Blank	Total/NA	Solid	8021B	60466
LCS 880-60466/1-A	Lab Control Sample	Total/NA	Solid	8021B	60466
LCSD 880-60466/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60466
880-32224-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	60466
880-32224-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60466

Analysis Batch: 60526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-21	PH11	Total/NA	Solid	8021B	60548
890-5064-22	PH11	Total/NA	Solid	8021B	60548
890-5064-23	PH12	Total/NA	Solid	8021B	60548
890-5064-24	PH12	Total/NA	Solid	8021B	60548
890-5064-25	PH13	Total/NA	Solid	8021B	60548
890-5064-26	PH13	Total/NA	Solid	8021B	60548
890-5064-27	PH14	Total/NA	Solid	8021B	60548
890-5064-28	PH14	Total/NA	Solid	8021B	60548
890-5064-29	PH15	Total/NA	Solid	8021B	60548
890-5064-30	PH15	Total/NA	Solid	8021B	60548
MB 880-60474/5-A	Method Blank	Total/NA	Solid	8021B	60474
MB 880-60548/5-A	Method Blank	Total/NA	Solid	8021B	60548
LCS 880-60548/1-A	Lab Control Sample	Total/NA	Solid	8021B	60548
LCSD 880-60548/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60548
890-5057-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	60548
890-5057-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60548

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

GC VOA

Analysis Batch: 60527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-19	PH10	Total/NA	Solid	8021B	60488
890-5064-20	PH10	Total/NA	Solid	8021B	60488
MB 880-60488/5-A	Method Blank	Total/NA	Solid	8021B	60488
MB 880-60566/5-A	Method Blank	Total/NA	Solid	8021B	60566
LCS 880-60488/1-A	Lab Control Sample	Total/NA	Solid	8021B	60488
LCSD 880-60488/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60488
880-31900-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	60488
880-31900-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60488

Analysis Batch: 60539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Total/NA	Solid	Total BTEX	
890-5064-2	PH01	Total/NA	Solid	Total BTEX	
890-5064-3	PH02	Total/NA	Solid	Total BTEX	
890-5064-4	PH02	Total/NA	Solid	Total BTEX	
890-5064-5	PH03	Total/NA	Solid	Total BTEX	
890-5064-6	PH03	Total/NA	Solid	Total BTEX	
890-5064-7	PH04	Total/NA	Solid	Total BTEX	
890-5064-8	PH04	Total/NA	Solid	Total BTEX	
890-5064-9	PH05	Total/NA	Solid	Total BTEX	
890-5064-10	PH05	Total/NA	Solid	Total BTEX	
890-5064-11	PH06	Total/NA	Solid	Total BTEX	
890-5064-12	PH06	Total/NA	Solid	Total BTEX	
890-5064-13	PH07	Total/NA	Solid	Total BTEX	
890-5064-14	PH07	Total/NA	Solid	Total BTEX	
890-5064-15	PH08	Total/NA	Solid	Total BTEX	
890-5064-16	PH08	Total/NA	Solid	Total BTEX	
890-5064-17	PH09	Total/NA	Solid	Total BTEX	
890-5064-18	PH09	Total/NA	Solid	Total BTEX	
890-5064-19	PH10	Total/NA	Solid	Total BTEX	
890-5064-20	PH10	Total/NA	Solid	Total BTEX	
890-5064-21	PH11	Total/NA	Solid	Total BTEX	
890-5064-22	PH11	Total/NA	Solid	Total BTEX	
890-5064-23	PH12	Total/NA	Solid	Total BTEX	
890-5064-24	PH12	Total/NA	Solid	Total BTEX	
890-5064-25	PH13	Total/NA	Solid	Total BTEX	
890-5064-26	PH13	Total/NA	Solid	Total BTEX	
890-5064-27	PH14	Total/NA	Solid	Total BTEX	
890-5064-28	PH14	Total/NA	Solid	Total BTEX	
890-5064-29	PH15	Total/NA	Solid	Total BTEX	
890-5064-30	PH15	Total/NA	Solid	Total BTEX	
890-5064-31	PH16	Total/NA	Solid	Total BTEX	
890-5064-32	PH16	Total/NA	Solid	Total BTEX	

Prep Batch: 60548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-21	PH11	Total/NA	Solid	5035	
890-5064-22	PH11	Total/NA	Solid	5035	
890-5064-23	PH12	Total/NA	Solid	5035	
890-5064-24	PH12	Total/NA	Solid	5035	
890-5064-25	PH13	Total/NA	Solid	5035	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 60548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-26	PH13	Total/NA	Solid	5035	
890-5064-27	PH14	Total/NA	Solid	5035	
890-5064-28	PH14	Total/NA	Solid	5035	
890-5064-29	PH15	Total/NA	Solid	5035	
890-5064-30	PH15	Total/NA	Solid	5035	
MB 880-60548/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60548/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60548/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5057-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-5057-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 60566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60566/5-A	Method Blank	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 60570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Total/NA	Solid	8015NM Prep	
890-5064-2	PH01	Total/NA	Solid	8015NM Prep	
890-5064-3	PH02	Total/NA	Solid	8015NM Prep	
890-5064-4	PH02	Total/NA	Solid	8015NM Prep	
890-5064-5	PH03	Total/NA	Solid	8015NM Prep	
890-5064-6	PH03	Total/NA	Solid	8015NM Prep	
890-5064-7	PH04	Total/NA	Solid	8015NM Prep	
890-5064-8	PH04	Total/NA	Solid	8015NM Prep	
890-5064-9	PH05	Total/NA	Solid	8015NM Prep	
890-5064-10	PH05	Total/NA	Solid	8015NM Prep	
890-5064-11	PH06	Total/NA	Solid	8015NM Prep	
890-5064-12	PH06	Total/NA	Solid	8015NM Prep	
890-5064-13	PH07	Total/NA	Solid	8015NM Prep	
890-5064-14	PH07	Total/NA	Solid	8015NM Prep	
890-5064-15	PH08	Total/NA	Solid	8015NM Prep	
890-5064-16	PH08	Total/NA	Solid	8015NM Prep	
890-5064-17	PH09	Total/NA	Solid	8015NM Prep	
MB 880-60570/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60570/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60570/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32224-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-32224-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 60573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-18	PH09	Total/NA	Solid	8015NM Prep	
890-5064-19	PH10	Total/NA	Solid	8015NM Prep	
890-5064-20	PH10	Total/NA	Solid	8015NM Prep	
890-5064-21	PH11	Total/NA	Solid	8015NM Prep	
890-5064-22	PH11	Total/NA	Solid	8015NM Prep	
890-5064-23	PH12	Total/NA	Solid	8015NM Prep	
890-5064-24	PH12	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 60573 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-25	PH13	Total/NA	Solid	8015NM Prep	
890-5064-26	PH13	Total/NA	Solid	8015NM Prep	
890-5064-27	PH14	Total/NA	Solid	8015NM Prep	
890-5064-28	PH14	Total/NA	Solid	8015NM Prep	
890-5064-29	PH15	Total/NA	Solid	8015NM Prep	
890-5064-30	PH15	Total/NA	Solid	8015NM Prep	
890-5064-31	PH16	Total/NA	Solid	8015NM Prep	
890-5064-32	PH16	Total/NA	Solid	8015NM Prep	
MB 880-60573/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60573/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60573/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5064-18 MS	PH09	Total/NA	Solid	8015NM Prep	
890-5064-18 MSD	PH09	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Total/NA	Solid	8015B NM	60570
890-5064-2	PH01	Total/NA	Solid	8015B NM	60570
890-5064-3	PH02	Total/NA	Solid	8015B NM	60570
890-5064-4	PH02	Total/NA	Solid	8015B NM	60570
890-5064-5	PH03	Total/NA	Solid	8015B NM	60570
890-5064-6	PH03	Total/NA	Solid	8015B NM	60570
890-5064-7	PH04	Total/NA	Solid	8015B NM	60570
890-5064-8	PH04	Total/NA	Solid	8015B NM	60570
890-5064-9	PH05	Total/NA	Solid	8015B NM	60570
890-5064-10	PH05	Total/NA	Solid	8015B NM	60570
890-5064-11	PH06	Total/NA	Solid	8015B NM	60570
890-5064-12	PH06	Total/NA	Solid	8015B NM	60570
890-5064-13	PH07	Total/NA	Solid	8015B NM	60570
890-5064-14	PH07	Total/NA	Solid	8015B NM	60570
890-5064-15	PH08	Total/NA	Solid	8015B NM	60570
890-5064-16	PH08	Total/NA	Solid	8015B NM	60570
890-5064-17	PH09	Total/NA	Solid	8015B NM	60570
MB 880-60570/1-A	Method Blank	Total/NA	Solid	8015B NM	60570
LCS 880-60570/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60570
LCSD 880-60570/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60570
880-32224-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	60570
880-32224-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60570

Analysis Batch: 60627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-18	PH09	Total/NA	Solid	8015B NM	60573
890-5064-19	PH10	Total/NA	Solid	8015B NM	60573
890-5064-20	PH10	Total/NA	Solid	8015B NM	60573
890-5064-21	PH11	Total/NA	Solid	8015B NM	60573
890-5064-22	PH11	Total/NA	Solid	8015B NM	60573
890-5064-23	PH12	Total/NA	Solid	8015B NM	60573
890-5064-24	PH12	Total/NA	Solid	8015B NM	60573
890-5064-25	PH13	Total/NA	Solid	8015B NM	60573
890-5064-26	PH13	Total/NA	Solid	8015B NM	60573
890-5064-27	PH14	Total/NA	Solid	8015B NM	60573

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 60627 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-28	PH14	Total/NA	Solid	8015B NM	60573
890-5064-29	PH15	Total/NA	Solid	8015B NM	60573
890-5064-30	PH15	Total/NA	Solid	8015B NM	60573
890-5064-31	PH16	Total/NA	Solid	8015B NM	60573
890-5064-32	PH16	Total/NA	Solid	8015B NM	60573
MB 880-60573/1-A	Method Blank	Total/NA	Solid	8015B NM	60573
LCS 880-60573/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60573
LCSD 880-60573/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60573
890-5064-18 MS	PH09	Total/NA	Solid	8015B NM	60573
890-5064-18 MSD	PH09	Total/NA	Solid	8015B NM	60573

Analysis Batch: 60673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Total/NA	Solid	8015 NM	
890-5064-2	PH01	Total/NA	Solid	8015 NM	
890-5064-3	PH02	Total/NA	Solid	8015 NM	
890-5064-4	PH02	Total/NA	Solid	8015 NM	
890-5064-5	PH03	Total/NA	Solid	8015 NM	
890-5064-6	PH03	Total/NA	Solid	8015 NM	
890-5064-7	PH04	Total/NA	Solid	8015 NM	
890-5064-8	PH04	Total/NA	Solid	8015 NM	
890-5064-9	PH05	Total/NA	Solid	8015 NM	
890-5064-10	PH05	Total/NA	Solid	8015 NM	
890-5064-11	PH06	Total/NA	Solid	8015 NM	
890-5064-12	PH06	Total/NA	Solid	8015 NM	
890-5064-13	PH07	Total/NA	Solid	8015 NM	
890-5064-14	PH07	Total/NA	Solid	8015 NM	
890-5064-15	PH08	Total/NA	Solid	8015 NM	
890-5064-16	PH08	Total/NA	Solid	8015 NM	
890-5064-17	PH09	Total/NA	Solid	8015 NM	
890-5064-18	PH09	Total/NA	Solid	8015 NM	
890-5064-19	PH10	Total/NA	Solid	8015 NM	
890-5064-20	PH10	Total/NA	Solid	8015 NM	
890-5064-21	PH11	Total/NA	Solid	8015 NM	
890-5064-22	PH11	Total/NA	Solid	8015 NM	
890-5064-23	PH12	Total/NA	Solid	8015 NM	
890-5064-24	PH12	Total/NA	Solid	8015 NM	
890-5064-25	PH13	Total/NA	Solid	8015 NM	
890-5064-26	PH13	Total/NA	Solid	8015 NM	
890-5064-27	PH14	Total/NA	Solid	8015 NM	
890-5064-28	PH14	Total/NA	Solid	8015 NM	
890-5064-29	PH15	Total/NA	Solid	8015 NM	
890-5064-30	PH15	Total/NA	Solid	8015 NM	
890-5064-31	PH16	Total/NA	Solid	8015 NM	
890-5064-32	PH16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Soluble	Solid	DI Leach	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 59873 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-2	PH01	Soluble	Solid	DI Leach	
890-5064-3	PH02	Soluble	Solid	DI Leach	
890-5064-4	PH02	Soluble	Solid	DI Leach	
890-5064-5	PH03	Soluble	Solid	DI Leach	
890-5064-6	PH03	Soluble	Solid	DI Leach	
890-5064-7	PH04	Soluble	Solid	DI Leach	
890-5064-8	PH04	Soluble	Solid	DI Leach	
890-5064-9	PH05	Soluble	Solid	DI Leach	
890-5064-10	PH05	Soluble	Solid	DI Leach	
890-5064-11	PH06	Soluble	Solid	DI Leach	
890-5064-12	PH06	Soluble	Solid	DI Leach	
890-5064-13	PH07	Soluble	Solid	DI Leach	
890-5064-14	PH07	Soluble	Solid	DI Leach	
890-5064-15	PH08	Soluble	Solid	DI Leach	
890-5064-16	PH08	Soluble	Solid	DI Leach	
890-5064-17	PH09	Soluble	Solid	DI Leach	
890-5064-18	PH09	Soluble	Solid	DI Leach	
890-5064-19	PH10	Soluble	Solid	DI Leach	
890-5064-20	PH10	Soluble	Solid	DI Leach	
MB 880-59873/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59873/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59873/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5064-1 MS	PH01	Soluble	Solid	DI Leach	
890-5064-1 MSD	PH01	Soluble	Solid	DI Leach	
890-5064-11 MS	PH06	Soluble	Solid	DI Leach	
890-5064-11 MSD	PH06	Soluble	Solid	DI Leach	

Leach Batch: 59887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-21	PH11	Soluble	Solid	DI Leach	
890-5064-22	PH11	Soluble	Solid	DI Leach	
890-5064-23	PH12	Soluble	Solid	DI Leach	
890-5064-24	PH12	Soluble	Solid	DI Leach	
890-5064-25	PH13	Soluble	Solid	DI Leach	
890-5064-26	PH13	Soluble	Solid	DI Leach	
890-5064-27	PH14	Soluble	Solid	DI Leach	
890-5064-28	PH14	Soluble	Solid	DI Leach	
890-5064-29	PH15	Soluble	Solid	DI Leach	
890-5064-30	PH15	Soluble	Solid	DI Leach	
890-5064-31	PH16	Soluble	Solid	DI Leach	
890-5064-32	PH16	Soluble	Solid	DI Leach	
MB 880-59887/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59887/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59887/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5064-27 MS	PH14	Soluble	Solid	DI Leach	
890-5064-27 MSD	PH14	Soluble	Solid	DI Leach	

Analysis Batch: 60015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-1	PH01	Soluble	Solid	300.0	59873
890-5064-2	PH01	Soluble	Solid	300.0	59873

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 60015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-3	PH02	Soluble	Solid	300.0	59873
890-5064-4	PH02	Soluble	Solid	300.0	59873
890-5064-5	PH03	Soluble	Solid	300.0	59873
890-5064-6	PH03	Soluble	Solid	300.0	59873
890-5064-7	PH04	Soluble	Solid	300.0	59873
890-5064-8	PH04	Soluble	Solid	300.0	59873
890-5064-9	PH05	Soluble	Solid	300.0	59873
890-5064-10	PH05	Soluble	Solid	300.0	59873
890-5064-11	PH06	Soluble	Solid	300.0	59873
890-5064-12	PH06	Soluble	Solid	300.0	59873
890-5064-13	PH07	Soluble	Solid	300.0	59873
890-5064-14	PH07	Soluble	Solid	300.0	59873
890-5064-15	PH08	Soluble	Solid	300.0	59873
890-5064-16	PH08	Soluble	Solid	300.0	59873
890-5064-17	PH09	Soluble	Solid	300.0	59873
890-5064-18	PH09	Soluble	Solid	300.0	59873
890-5064-19	PH10	Soluble	Solid	300.0	59873
890-5064-20	PH10	Soluble	Solid	300.0	59873
MB 880-59873/1-A	Method Blank	Soluble	Solid	300.0	59873
LCS 880-59873/2-A	Lab Control Sample	Soluble	Solid	300.0	59873
LCSD 880-59873/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59873
890-5064-1 MS	PH01	Soluble	Solid	300.0	59873
890-5064-1 MSD	PH01	Soluble	Solid	300.0	59873
890-5064-11 MS	PH06	Soluble	Solid	300.0	59873
890-5064-11 MSD	PH06	Soluble	Solid	300.0	59873

Analysis Batch: 60020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5064-21	PH11	Soluble	Solid	300.0	59887
890-5064-22	PH11	Soluble	Solid	300.0	59887
890-5064-23	PH12	Soluble	Solid	300.0	59887
890-5064-24	PH12	Soluble	Solid	300.0	59887
890-5064-25	PH13	Soluble	Solid	300.0	59887
890-5064-26	PH13	Soluble	Solid	300.0	59887
890-5064-27	PH14	Soluble	Solid	300.0	59887
890-5064-28	PH14	Soluble	Solid	300.0	59887
890-5064-29	PH15	Soluble	Solid	300.0	59887
890-5064-30	PH15	Soluble	Solid	300.0	59887
890-5064-31	PH16	Soluble	Solid	300.0	59887
890-5064-32	PH16	Soluble	Solid	300.0	59887
MB 880-59887/1-A	Method Blank	Soluble	Solid	300.0	59887
LCS 880-59887/2-A	Lab Control Sample	Soluble	Solid	300.0	59887
LCSD 880-59887/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59887
890-5064-27 MS	PH14	Soluble	Solid	300.0	59887
890-5064-27 MSD	PH14	Soluble	Solid	300.0	59887

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH01
Date Collected: 08/08/23 11:30
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 16:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 12:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 21:36	SMC	EET MID

Client Sample ID: PH01
Date Collected: 08/08/23 11:40
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 16:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 13:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 21:58	SMC	EET MID

Client Sample ID: PH02
Date Collected: 08/08/23 11:50
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 16:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 13:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 22:05	SMC	EET MID

Client Sample ID: PH02
Date Collected: 08/08/23 12:00
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 17:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH02

Date Collected: 08/08/23 12:00
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 14:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 22:12	SMC	EET MID

Client Sample ID: PH03

Date Collected: 08/08/23 12:10
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 17:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 14:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 22:19	SMC	EET MID

Client Sample ID: PH03

Date Collected: 08/08/23 12:20
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 17:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 14:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 22:41	SMC	EET MID

Client Sample ID: PH04

Date Collected: 08/08/23 12:30
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 18:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 15:12	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH04
Date Collected: 08/08/23 12:30
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 22:48	SMC	EET MID

Client Sample ID: PH04
Date Collected: 08/08/23 12:40
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 18:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 15:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 22:55	SMC	EET MID

Client Sample ID: PH05
Date Collected: 08/08/23 12:50
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 18:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 16:20	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 23:02	SMC	EET MID

Client Sample ID: PH05
Date Collected: 08/08/23 13:00
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 19:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 16:43	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 23:10	SMC	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH06

Lab Sample ID: 890-5064-11

Date Collected: 08/08/23 13:10

Matrix: Solid

Date Received: 08/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 21:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 17:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 23:17	SMC	EET MID

Client Sample ID: PH06

Lab Sample ID: 890-5064-12

Date Collected: 08/08/23 13:20

Matrix: Solid

Date Received: 08/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 21:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 17:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/11/23 23:38	SMC	EET MID

Client Sample ID: PH07

Lab Sample ID: 890-5064-13

Date Collected: 08/08/23 13:30

Matrix: Solid

Date Received: 08/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 21:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 17:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	60015	08/11/23 23:46	SMC	EET MID

Client Sample ID: PH07

Lab Sample ID: 890-5064-14

Date Collected: 08/08/23 13:40

Matrix: Solid

Date Received: 08/09/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 22:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID

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Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH07

Date Collected: 08/08/23 13:40
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 18:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/12/23 00:07	SMC	EET MID

Client Sample ID: PH08

Date Collected: 08/08/23 13:50
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 22:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 18:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/12/23 00:14	SMC	EET MID

Client Sample ID: PH08

Date Collected: 08/08/23 14:00
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 22:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 18:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/12/23 00:21	SMC	EET MID

Client Sample ID: PH09

Date Collected: 08/08/23 14:10
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 23:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60570	08/18/23 10:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60614	08/19/23 19:17	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH09
Date Collected: 08/08/23 14:10
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/12/23 00:29	SMC	EET MID

Client Sample ID: PH09
Date Collected: 08/08/23 14:20
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60434	08/17/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60427	08/17/23 23:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/18/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 10:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/12/23 00:36	SMC	EET MID

Client Sample ID: PH10
Date Collected: 08/08/23 14:30
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60488	08/17/23 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60527	08/19/23 13:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 11:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/12/23 00:43	SMC	EET MID

Client Sample ID: PH10
Date Collected: 08/08/23 14:40
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60488	08/17/23 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60527	08/19/23 13:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 12:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59873	08/10/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60015	08/12/23 00:50	SMC	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH11

Date Collected: 08/08/23 14:50
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 04:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 12:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 22:26	SMC	EET MID

Client Sample ID: PH11

Date Collected: 08/08/23 15:00
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 04:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 12:47	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 22:46	SMC	EET MID

Client Sample ID: PH12

Date Collected: 08/08/23 15:10
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 04:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 13:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 22:53	SMC	EET MID

Client Sample ID: PH12

Date Collected: 08/08/23 15:20
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 05:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH12
Date Collected: 08/08/23 15:20
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 22:59	SMC	EET MID

Client Sample ID: PH13
Date Collected: 08/08/23 15:30
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 05:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 23:06	SMC	EET MID

Client Sample ID: PH13
Date Collected: 08/08/23 15:40
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 05:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 23:12	SMC	EET MID

Client Sample ID: PH14
Date Collected: 08/08/23 15:50
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 07:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 14:38	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH14
Date Collected: 08/08/23 15:50
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 23:19	SMC	EET MID

Client Sample ID: PH14
Date Collected: 08/08/23 16:00
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 07:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 15:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 23:39	SMC	EET MID

Client Sample ID: PH15
Date Collected: 08/08/23 16:10
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 08:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 15:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/11/23 23:46	SMC	EET MID

Client Sample ID: PH15
Date Collected: 08/08/23 16:20
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	60548	08/18/23 09:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60526	08/19/23 08:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 16:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/12/23 00:06	SMC	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Client Sample ID: PH16

Date Collected: 08/08/23 16:30
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60466	08/17/23 13:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60525	08/18/23 19:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/12/23 00:12	SMC	EET MID

Client Sample ID: PH16

Date Collected: 08/08/23 16:40
Date Received: 08/09/23 08:15

Lab Sample ID: 890-5064-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60466	08/17/23 13:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60525	08/18/23 19:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60539	08/21/23 11:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			60673	08/21/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60573	08/18/23 12:36	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60627	08/20/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59887	08/10/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60020	08/12/23 00:19	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU 522

Job ID: 890-5064-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5064-1	PH01	Solid	08/08/23 11:30	08/09/23 08:15	2
890-5064-2	PH01	Solid	08/08/23 11:40	08/09/23 08:15	4
890-5064-3	PH02	Solid	08/08/23 11:50	08/09/23 08:15	2
890-5064-4	PH02	Solid	08/08/23 12:00	08/09/23 08:15	4
890-5064-5	PH03	Solid	08/08/23 12:10	08/09/23 08:15	0.5
890-5064-6	PH03	Solid	08/08/23 12:20	08/09/23 08:15	4
890-5064-7	PH04	Solid	08/08/23 12:30	08/09/23 08:15	0.5
890-5064-8	PH04	Solid	08/08/23 12:40	08/09/23 08:15	4
890-5064-9	PH05	Solid	08/08/23 12:50	08/09/23 08:15	0.5
890-5064-10	PH05	Solid	08/08/23 13:00	08/09/23 08:15	4
890-5064-11	PH06	Solid	08/08/23 13:10	08/09/23 08:15	0.5
890-5064-12	PH06	Solid	08/08/23 13:20	08/09/23 08:15	2
890-5064-13	PH07	Solid	08/08/23 13:30	08/09/23 08:15	0.5
890-5064-14	PH07	Solid	08/08/23 13:40	08/09/23 08:15	6
890-5064-15	PH08	Solid	08/08/23 13:50	08/09/23 08:15	0.5
890-5064-16	PH08	Solid	08/08/23 14:00	08/09/23 08:15	4
890-5064-17	PH09	Solid	08/08/23 14:10	08/09/23 08:15	0.5
890-5064-18	PH09	Solid	08/08/23 14:20	08/09/23 08:15	1
890-5064-19	PH10	Solid	08/08/23 14:30	08/09/23 08:15	0.5
890-5064-20	PH10	Solid	08/08/23 14:40	08/09/23 08:15	1
890-5064-21	PH11	Solid	08/08/23 14:50	08/09/23 08:15	0.5
890-5064-22	PH11	Solid	08/08/23 15:00	08/09/23 08:15	1
890-5064-23	PH12	Solid	08/08/23 15:10	08/09/23 08:15	0.5
890-5064-24	PH12	Solid	08/08/23 15:20	08/09/23 08:15	1
890-5064-25	PH13	Solid	08/08/23 15:30	08/09/23 08:15	0.5
890-5064-26	PH13	Solid	08/08/23 15:40	08/09/23 08:15	1
890-5064-27	PH14	Solid	08/08/23 15:50	08/09/23 08:15	0.5
890-5064-28	PH14	Solid	08/08/23 16:00	08/09/23 08:15	1
890-5064-29	PH15	Solid	08/08/23 16:10	08/09/23 08:15	0.5
890-5064-30	PH15	Solid	08/08/23 16:20	08/09/23 08:15	1
890-5064-31	PH16	Solid	08/08/23 16:30	08/09/23 08:15	0.5
890-5064-32	PH16	Solid	08/08/23 16:40	08/09/23 08:15	1

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 4

Project Manager:	Erick Herrera	Bill to: (if different)	
Company Name:	Etech Environmental & Safety Solutions, Inc.	Company Name:	
Address:	1300 W County Rd 100	Address:	
City, State ZIP:	Midland, Texas 79711	City, State ZIP:	
Phone:	(281)777-4152	Email:	erick@etechenv.com, joseph@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	WEU 522	Turn Around	
Project Number:	18338	☑ Routine ☐ Rush	
Project Location:	Lea County, New Mexico	Due Date:	5 TAT
Sampler's Name:	Edyte Konan	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	NM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	23.6	
Total Containers:		Corrected Temperature:	23.4	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

890-5064 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH01	s	8.8.2023	11:30	2'	G	1		X	X	X	Incident ID:
PH01	s	8.8.2023	11:40	4'	G	1		X	X	X	nAPP2222156433
PH02	s	8.8.2023	11:50	2'	G	1		X	X	X	
PH02	s	8.8.2023	12:00	4'	G	1		X	X	X	
PH03	s	8.8.2023	12:10	0.5'	G	1		X	X	X	
PH03	s	8.8.2023	12:20	4'	G	1		X	X	X	
PH04	s	8.8.2023	12:30	0.5'	G	1		X	X	X	
PH04	s	8.8.2023	12:40	4'	G	1		X	X	X	
PH05	s	8.8.2023	12:50	0.5'	G	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8.9.23 815			
3			4		
5			6		

Revised Date: 08/25/2020 Rev: 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 4

Project Manager:	Erick Herrera	Bill to: (if different)	
Company Name:	Etech Environmental & Safety Solutions, Inc.	Company Name:	
Address:	1300 W County Rd 100	Address:	
City, State ZIP:	Midland, Texas 79711	City, State ZIP:	
Phone:	(281)777-4152	Email:	erick@etechenv.com, joseph@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	WEU 522	Turn Around	
Project Number:	18338	☑ Routine ☐ Rush	
Project Location:	Lea County, New Mexico	Due Date:	5 TAT
Sampler's Name:	Edyte Konan	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	NM009
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.6
Total Containers:		Corrected Temperature:	3.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH05	s	8.8.2023	13:00	4'	G	1		X	X	X	Incident ID:
PH06	s	8.8.2023	13:10	0.5'	G	1		X	X	X	nAPP2222156433
PH06	s	8.8.2023	13:20	2'	G	1		X	X	X	
PH07	s	8.8.2023	13:30	0.5'	G	1		X	X	X	
PH07	s	8.8.2023	13:40	6'	G	1		X	X	X	
PH08	s	8.8.2023	13:50	0.5'	G	1		X	X	X	
PH08	s	8.8.2023	14:00	4'	G	1		X	X	X	
PH09	s	8.8.2023	14:10	0.5'	G	1		X	X	X	
PH09	s	8.8.2023	14:20	1'	G	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2	8.9.23 815	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 4

Project Manager:	Erick Herrera	Bill to: (if different)	
Company Name:	Etech Environmental & Safety Solutions, Inc.	Company Name:	
Address:	1300 W County Rd 100	Address:	
City, State ZIP:	Midland, Texas 79711	City, State ZIP:	
Phone:	(281)777-4152	Email:	erick@etechenv.com, joseph@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	WEU 522	Turn Around		Pres. Code	
Project Number:	18338	☑ Routine	☐ Rush		
Project Location:	Lea County, New Mexico	Due Date:	5 TAT		
Sampler's Name:	Edyte Konan	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

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

Preservative Codes

None: NO; DI Water: H_2O
Cool: Cool; MeOH: Me
HCL: HC; HNO_3: HN
H_2SO_4: H_2; NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH10	s	8.8.2023	14:30	0.5'	G	1	X	X	X	Incident ID:
PH10	s	8.8.2023	14:40	1'	G	1	X	X	X	nAPP2222156433
PH11	s	8.8.2023	14:50	0.5'	G	1	X	X	X	
PH11	s	8.8.2023	15:00	1'	G	1	X	X	X	
PH12	s	8.8.2023	15:10	0.5'	G	1	X	X	X	
PH12	s	8.8.2023	15:20	1'	G	1	X	X	X	
PH13	s	8.8.2023	15:30	0.5'	G	1	X	X	X	
PH13	s	8.8.2023	15:40	1'	G	1	X	X	X	
PH14	s	8.8.2023	15:50	0.5'	G	1	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8.9.23815	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 4 of 4

Project Manager:	Erick Herrera	Bill to: (if different)	
Company Name:	Etech Environmental & Safety Solutions, Inc.	Company Name:	
Address:	1300 W County Rd 100	Address:	
City, State ZIP:	Midland, Texas 79711	City, State ZIP:	
Phone:	(281)777-4152	Email:	erick@etechenv.com, joseph@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	WEU 522	Turn Around		Pres. Code	
Project Number:	18338	☑ Routine	☐ Rush		
Project Location:	Lea County, New Mexico	Due Date:	5 TAT		
Sampler's Name:	Edyte Konan	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

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

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH14	s	8.8.2023	16:00	1'	G	1	X	X	X	Incident ID:
PH15	s	8.8.2023	16:10	0.5'	G	1	X	X	X	nAPP2222156433
PH15	s	8.8.2023	16:20	1'	G	1	X	X	X	
PH16	s	8.8.2023	16:30	0.5'	G	1	X	X	X	
PH16	s	8.8.2023	16:40	1'	G	1	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8.23.23	3		
5			6		

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-1419 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-5064-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 8/15/2023			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: WEU 522	Project #: 88000073			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL, B NaOH, C Zn Acetate, D - Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H - Ascorbic Acid, I Ice, J - DI Water, K EDTA, L - EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V - MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_NM/8016NM_S_Prep Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc Mid - BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
PH01 (890-5064-1)	8/8/23	11 30 Mountain		Solid			X	X	X	X	X	1	
PH01 (890-5064-2)	8/8/23	11 40 Mountain		Solid			X	X	X	X	X	1	
PH02 (890-5064-3)	8/8/23	11 50 Mountain		Solid			X	X	X	X	X	1	
PH02 (890-5064-4)	8/8/23	12 00 Mountain		Solid			X	X	X	X	X	1	
PH03 (890-5064-5)	8/8/23	12 10 Mountain		Solid			X	X	X	X	X	1	
PH03 (890-5064-6)	8/8/23	12 20 Mountain		Solid			X	X	X	X	X	1	
PH04 (890-5064-7)	8/8/23	12 30 Mountain		Solid			X	X	X	X	X	1	
PH04 (890-5064-8)	8/8/23	12 40 Mountain		Solid			X	X	X	X	X	1	
PH05 (890-5064-9)	8/8/23	12 50 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-1419 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-5063-1
Address: 1211 W Florida Ave,	Due Date Requested: 8/15/2023			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: WEU Federal D Battery	Project #: 88000073			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N - None, O AsNaO2, P - Na2O4S, Q Na2SO3, R - Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc Mid - BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
PH10 (890-5063-19)	8/7/23	15 20 Mountain		Solid			X	X	X	X	X	1	
PH10 (890-5063-20)	8/7/23	15 30 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements
Empty Kit Relinquished by:	Date: Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No.: 890-1419 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-5063-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 8/15/2023			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: WEU Federal D Battery	Project #: 88000073			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL, B - NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H - Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W - pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc Mid - BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
PH05 (890-5063-10)	8/7/23	13 50 Mountain		Solid			X	X	X	X	X	1	
PH06 (890-5063-11)	8/7/23	14 00 Mountain		Solid			X	X	X	X	X	1	
PH06 (890-5063-12)	8/7/23	14 10 Mountain		Solid			X	X	X	X	X	1	
PH07 (890-5063-13)	8/7/23	14 20 Mountain		Solid			X	X	X	X	X	1	
PH07 (890-5063-14)	8/7/23	14 30 Mountain		Solid			X	X	X	X	X	1	
PH08 (890-5063-15)	8/7/23	14 40 Mountain		Solid			X	X	X	X	X	1	
PH08 (890-5063-16)	8/7/23	14 50 Mountain		Solid			X	X	X	X	X	1	
PH09 (890-5063-17)	8/7/23	15 00 Mountain		Solid			X	X	X	X	X	1	
PH09 (890-5063-18)	8/7/23	15 10 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No
	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5064-1
SDG Number: Lea County NM

Login Number: 5064
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5064-1
SDG Number: Lea County NM

Login Number: 5064
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 08/10/23 12:57 PM

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

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Joseph Hernandez
Sent: Monday, September 11, 2023 12:26 PM
To: Erick Herrera
Subject: FW: [EXTERNAL] Forty Acres Energy - Site Sampling Notification 8/7 - 8/11/23

Joseph S. Hernandez
Senior Managing Geologist
eTECH Environmental & Safety Solutions, Inc.
Work: (432) 305-6413
Cell: (281) 702-2329

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, August 2, 2023 4:51 PM
To: Joseph Hernandez <joseph@etechenv.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Forty Acres Energy - Site Sampling Notification 8/7 - 8/11/23

> You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

Hi Joseph,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Joseph Hernandez <joseph@etechenv.com>
Sent: Wednesday, August 2, 2023 3:21 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>; Erick Herrera <erick@etechenv.com>
Subject: [EXTERNAL] Forty Acres Energy - Site Sampling Notification 8/7 - 8/11/23

All,

Forty Acres Energy anticipates conducting confirmation soil sampling activities at the following sites on August 7th and August 11th.

Proposed Dates: August 7, 2023, August 8, 2023, August 9, 2023, August 10, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit Seale Battery
Incident Number: nAPP2222254057

Proposed Dates: August 7, 2023, August 8, 2023, August 9, 2023, August 10, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit GM State Battery
Incident Number: nAPP2228734147

Proposed Dates: August 7, 2023, August 8, 2023, August 9, 2023, August 10, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit 522
Incident Number: nAPP2222156433

Proposed Dates: August 7, 2023, August 8, 2023, August 9, 2023, August 10, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Federal D Battery
Incident Number: nAPP2321448004

Thanks,

Joseph S. Hernandez
Senior Managing Geologist
eTECH Environmental & Safety Solutions, Inc.
Work: (432) 305-6413
Cell: (281) 702-2329

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 265415

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 265415
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan approved. Remediation Due date updated to March 14, 2024 to submit its appropriate or final remediation closure report.	12/21/2023