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	NAPP2222254057
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)*	nAPP2222254057
Contact mailing address	11757 Katy FWY Suite 725, Houston, TX 77079		

Location of Release Source

Latitude 32.525961 Longitude -103.346619
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	West Eumont Unit Seale Battery	Site Type	Battery
Date Release Discovered	08/10/2022	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
L	3 4	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) 1 bbls	Volume Recovered (bbls) 1 bbls
☒ Produced Water	Volume Released (bbls) 6 bbls	Volume Recovered (bbls) 4 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

Lost power so the transfer pump did not move water from the water tank resulting in a tank overflow.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2222254057
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	NAPP2222254057
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	NAPP2222254057
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: 12/14/23

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2222254057
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☑ Description of remediation activities

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

Printed Name: Alex Bolanos Title: Regulatory/Production Analyst

Signature: Alex Bolanos Date: 12/14/23

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Nelson Velez Date: 12/22/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Environmental & Safety Solutions, Inc.

CLOSURE REQUEST REPORT

West Eumont Unit Seale Battery

Lea County, New Mexico

Incident Number nAPP2222254057

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 Closure Request Report (CRR) detailing site assessment and delineation soil sampling activities associated with inadvertent release of crude oil and produced water at the West Eumont Unit Seale Battery (Site). Based on field observations, information provided by FAE, and review of the laboratory analytical results from recent soil sampling activities, FAE is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit L, Section 34, Township 20 South, Range 36 East, in Lea County, New Mexico (32.525961°, -103.346619°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A)**.

On August 10, 2022, it was discovered that power loss caused a tank to overflow and result in approximately 1 barrel (bbls) of crude oil and 6 bbls of produced water to be released within and outside the secondary containment earthen berm. Vacuum trucks were immediately dispatched and recovered approximately 1 bbls crude oil and 4 bbls produced water. 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 nAPP2222254057. Initial response efforts included removal of immediate soil impacts, totaling 208 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**. FAE has since backfilled the excavation (ranging from 2.5 feet below ground surface (bgs) to 5.5 feet bgs) inside the containment with caliche in an effort to restore the foundation near the tanks and eliminate potential safety hazards.

Etech met with the NMOCD on October 31, 2023, to discuss the previously submitted Remediation Work Plan (RWP) and to request the advancement of existing of delineation soil samples, specifically potholes PH05 and PH06 for consideration of approval and to proceed with the original RWP proposal to collect additional horizontal delineation samples. The summary of additional field activities is described below.

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 bgs based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.58-mile southeast of the Site. Using a truck mounted rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. The referenced well record for the soil boring 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 20, 2023, to August 3, 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 within the backfilled excavations. Eleven delineation potholes (PH01 through PH11) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of 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.

On November 20 and November 29, 2023, a third-party consultant assisted in the advancement of delineation soil samples PH05 and PH06. A minimum of two samples were collected from each delineation soil sample location. To complete the work proposed in the RWP, horizontal delineation samples PH06.1 and PH08 were collected to supplement horizontal peripheries of the AOC. The recollected soil samples were advanced within 1 foot of the original locations. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. The soil samples were transported under strict chain-of-custody procedures, to Cardinal Laboratories in Hobbs, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all final delineation soil samples were below the applicable Site Closure Criteria. 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.**

CLOSURE REQUEST

Based on the laboratory analytical results, FAE believes residual impacts associated with the inadvertent release have been delineated, excavated, and removed from the Site. Concentrations of COCs for all confirmation delineation soil samples were below the applicable Site Closure Criteria. Furthermore, the horizontal periphery of impacts has been defined via delineation soil samples. FAE believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment and groundwater. As such, FAE respectfully requests NFA of the Incident Number nAPP2222254057 associated with this CRR.

LIMITATIONS

Etech has prepared this CRR 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. **Appendix H** includes the previously submitted RWP.

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
Appendix B	Referenced Well Records
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 H	Original Submitted RWP

APPENDIX A

Figures

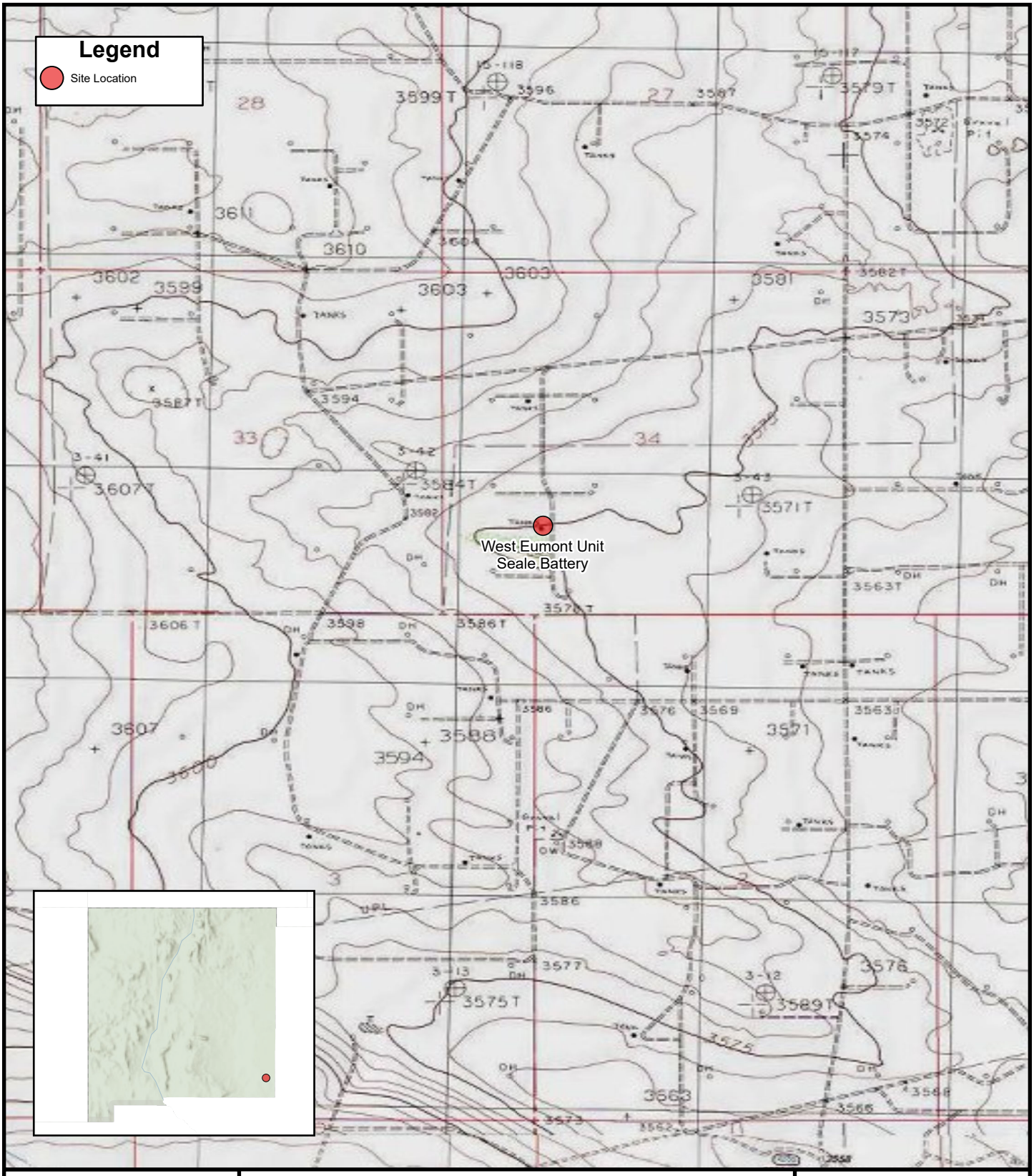


FIGURE 1

Site Location Map

Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Unit L Sec 34 T20S R36E
Lea County, New Mexico

N

0 1,000 2,000 Feet

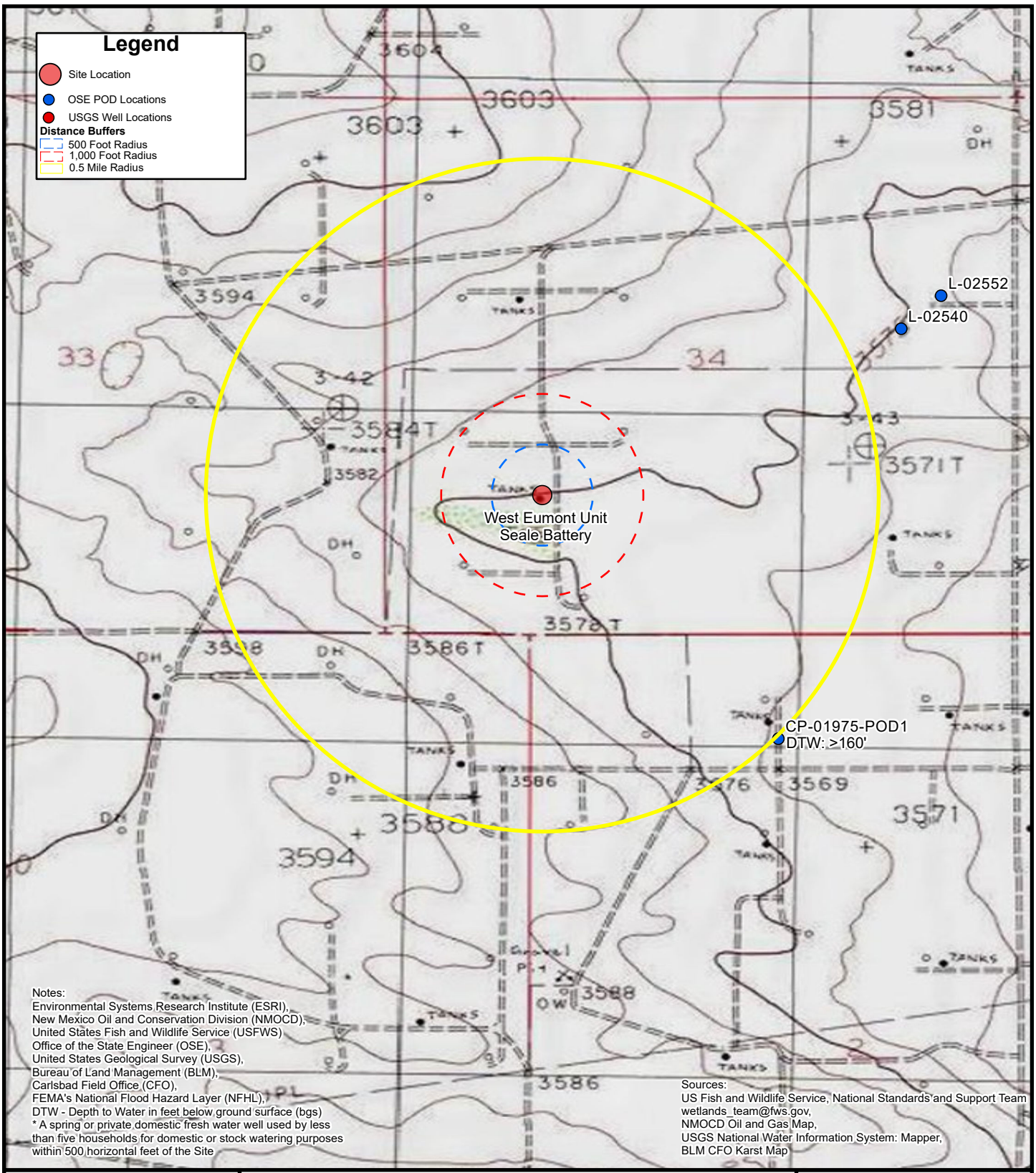
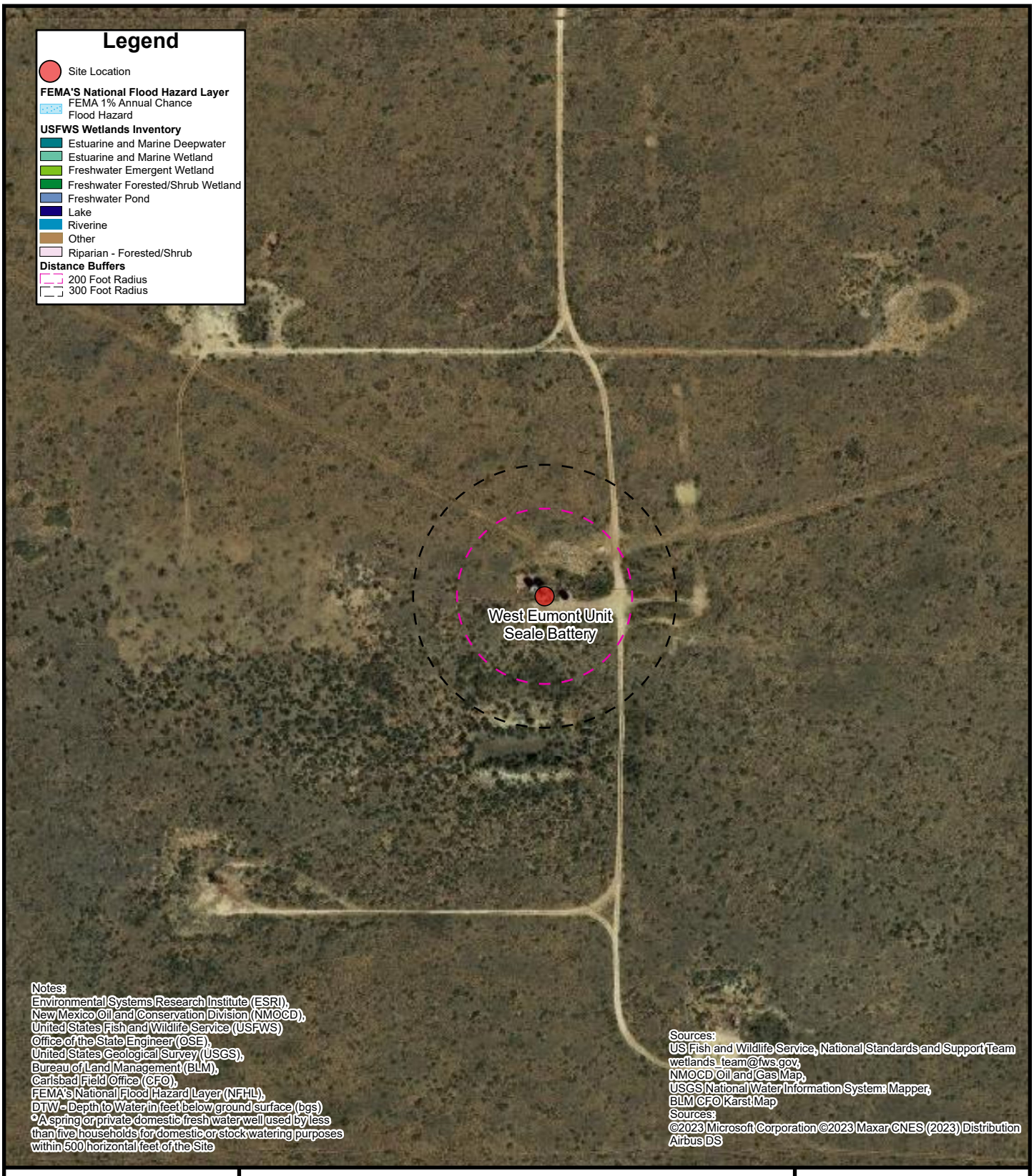


FIGURE 1A

Site Characterization Map-Groundwater

Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Unit L Sec 34 T20S R36E
Lea County, New Mexico



eTECH

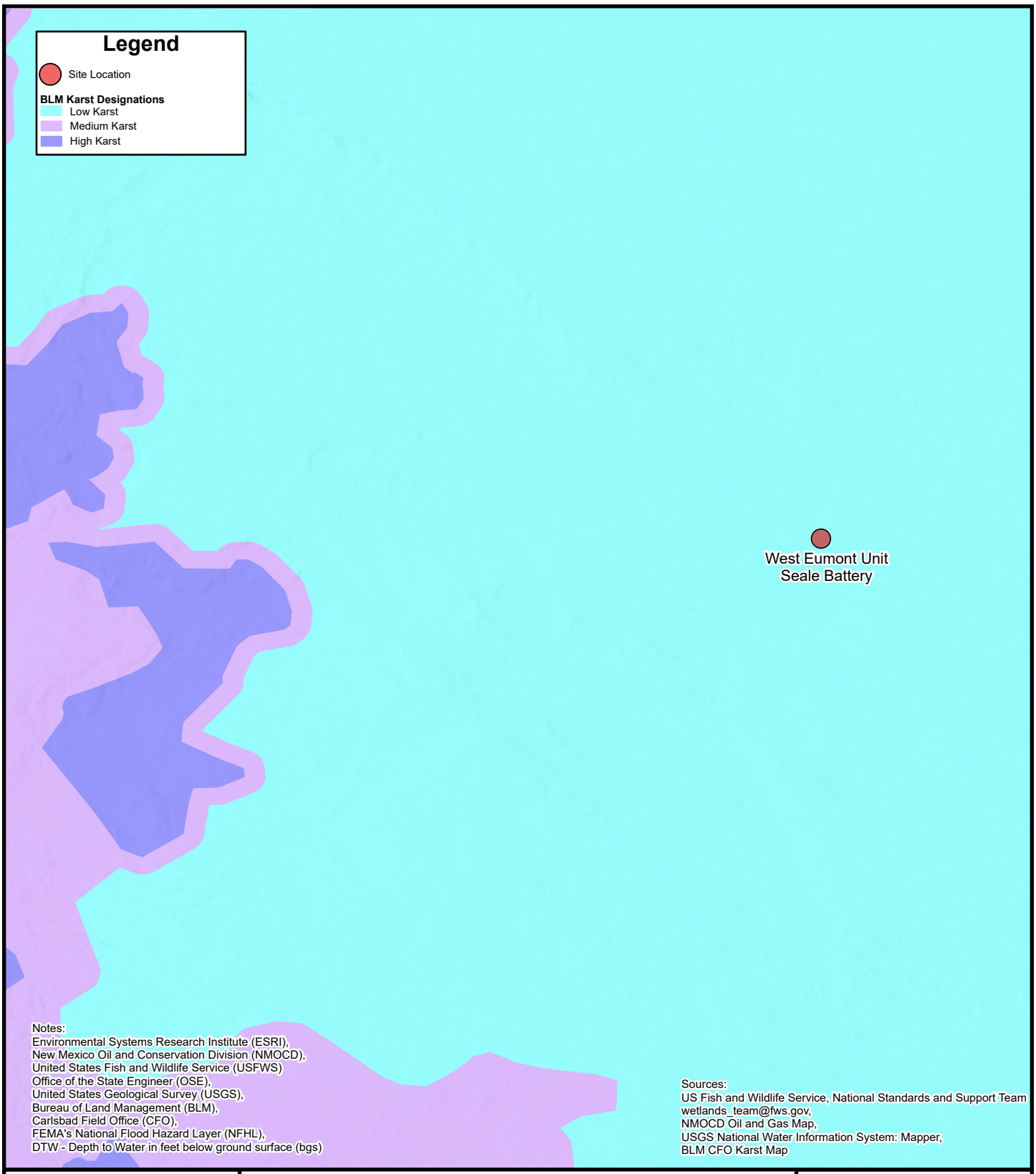
FIGURE 1B

Site Characterization-Surficial Receptors

Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Unit L Sec 34 T20S R36E
Lea County, New Mexico

N

0 170 340 Feet



eTECH

FIGURE 1C

Site Map

Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Unit L Sec 34 T20S R36E
Lea County, New Mexico

N

0 20,000 40,000 Feet

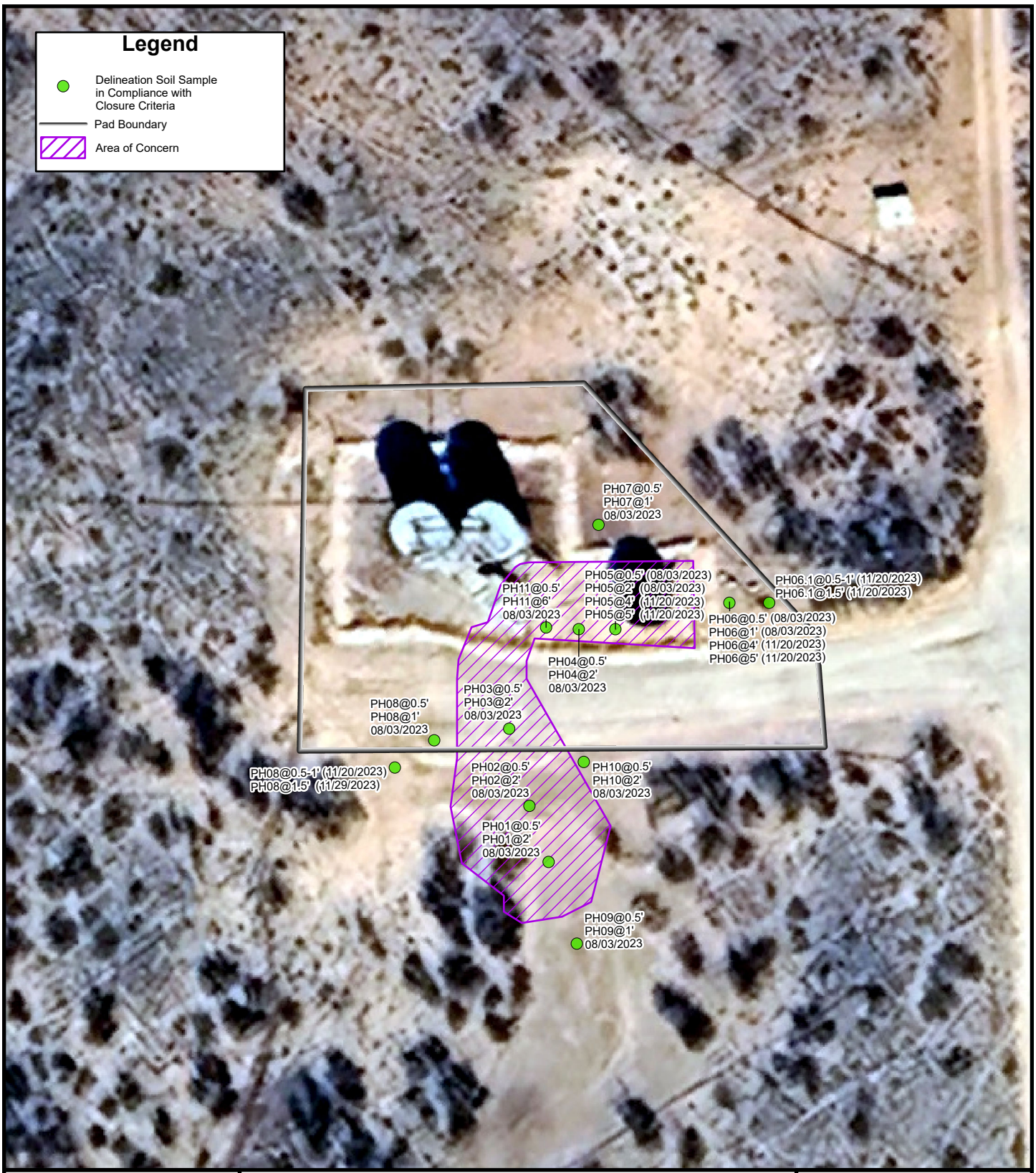
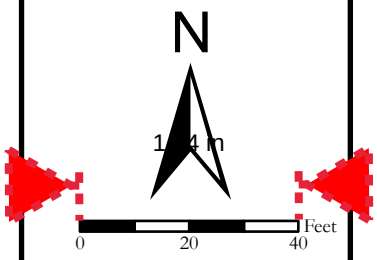


FIGURE 2

Delineation Soil Sample Locations

Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Unit L Sec 34 T20S R36E
Lea County, New Mexico



APPENDIX B

Referenced Well Records

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	213A19	CP-1975

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Clay Tom Cooper	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
Box 6	Monument	NM	88265

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	31	09.6	N
	LONGITUDE	103	20	24.7	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)
8-24-2023	8-24-2023	160	160	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	20	10	PVC	bell	5	sdr 21	
20	100	8.75	PVC	bell	5	sdr 21	
100	120	8.75	PVC	bell	5	sdr 21	0.020
120	160	8.75	PVC	bell	5	sdr 21	

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	10	3/8 Bentonite hole plug	8	Pour
20	160	8.75	3/8 pea gravel	38	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	5	5	Red Sandy Top Soil	Y ✓ N	
5	46	41	White Caliche	Y ✓ N	
46	94	48	Tan soft SandStone	Y ✓ N	
94	101	7	Red clay	Y ✓ N	
101	108	7	Course sand/gravel	Y ✓ N	
108	160	52	Red Clay	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: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	(0-2') SAND, dry, light brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH01	0.5			
Dry	<112	0.0	No		1	1		
Dry	<112	0.0	No	PH01	2	2		

Total Depth

eTECH

	Sample Name: PH02	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	SW-SM	(0-2') SAND, dry, brown, poorly graded, very fine to fine grained, trace is silt, no staining, no odor.
Dry	<112	0.0	No	PH02	0.5			
Dry	<112	0.0	No		1	1		
Dry	<112	0.0	No	PH02	2	2		

Total Depth

eTECH

	Sample Name: PH03	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-1') CALICHE, dry, no staining, no odor.
Dry	<112	0.0	No	PH03	0.5			
Dry	<112	0.0	No		1	1		
							SP	(1-2') SAND, dry, light brown, poorly graded, very fine to fine grained, trace is silt, no staining, no odor.
Dry	<112	0.0	No	PH03	2	2		

Total Depth

eTECH

	Sample Name: PH04	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-2') Pad surface CALICHE, dry, no staining, no odor.
Dry	<112	0.5	No	PH04	0.5			
Dry	<112	0.0	No		1	1		
Dry	<112	0.5	No	PH04	2	2		

Total Depth

eTECH

	Sample Name: PH05	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-2') CALICHE, dry, no staining, no odor.
Dry	480	0.1	No	PH05	0.5			
Dry	480	0.2	No		1	1		
Dry	860	0.0	No	PH05	2	2		

Total Depth

eTECH

	Sample Name: PH06	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH06	0.5			
Dry	<112	0.0	No	PH06	1	1		

Total Depth

eTECH

	Sample Name: PH07	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH07	0.5			
Dry	<112	0.0	No	PH07	1	1		

Total Depth

eTECH

	Sample Name: PH08	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH08	0.5			
Dry	<112	0.0	No	PH08	1	1		

Total Depth

eTECH	Sample Name: PH09	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, 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: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	1.2	No	PH10	0.5			
Dry	<112	0.0	No	PH10	1	1		

Total Depth

eTECH

	Sample Name: PH11	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-4') CALICHE, dry, no staining, no odor
Dry	480	0.5	No	PH11	0.5			fine to fine grained, trace of silt, no staining, no odor.
Dry	860	0.3	No		1	1		(4-6') SAND, dry, brown, poorly graded, very
Dry	860	0.7	No		2	2		fine to fine grained, trace is silt, no staining, no odor.
-	-	-	-		3	3		
Dry	480	0.1	No		4	4	SP	
-	-	-	-		5	5		
Dry	192	0.1	No	PH11	6	6		

Total Depth

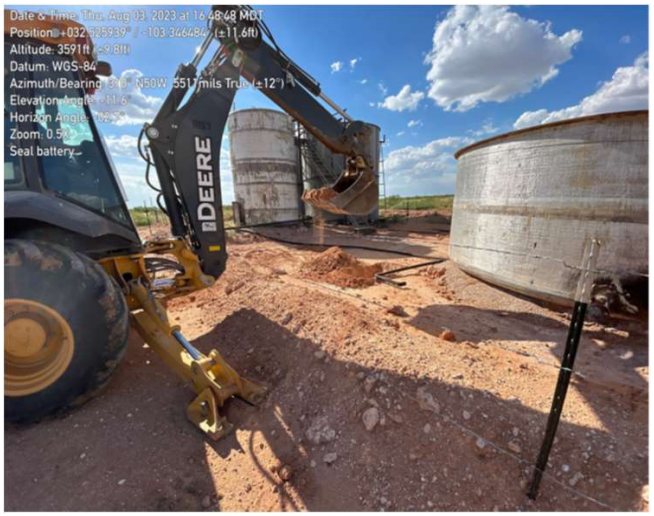
APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Incident Number NAPP2222254057

Photograph 1 **Date: 07/20/2023**
Description: Northeastern view of Site assessment activities.

Photograph 2 **Date: 08/03/2023**
Description: Northwestern view of delineation activities.



Photograph 3 **Date: 08/03/2023**
Description: Northwestern view of delineation activities.

Photograph 4 **Date: 08/03/2023**
Description: Northwestern view of delineation activities.

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy
West Eumont Unit Seale Battery
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
Delineation Soil Samples - Incident Number nAPP2222254057										
PH01	08/03/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	34.9
PH01	08/03/2023	2	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	27.4
PH02	08/03/2023	0.5	<0.00201	<0.00402	<50.2	58.4	<50.2	58.4	58.4	57.6
PH02	08/03/2023	2	<0.00200	<0.00400	<49.8	75.3	<49.8	75.3	75.3	37.9
PH03	08/03/2023	0.5	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	312
PH03	08/03/2023	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	432
PH04	08/03/2023	0.5	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	2,060
PH04	08/03/2023	2	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	546
PH05	08/03/2023	0.5	<0.00198	<0.00396	<49.8	518	<49.8	518	518	359
PH05	08/03/2023	2	<0.00199	<0.00398	<50.2	209	<50.2	209	209	1,240
PH05	11/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PH05	11/20/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
PH06	08/03/2023	0.5	<0.00200	<0.00400	<50.5	285	<50.5	285	285	123
PH06	08/03/2023	1	<0.00198	<0.0396	<49.6	151	<49.6	151	151	122
PH06	11/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PH06	11/20/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH07	08/03/2023	0.5	<0.00201	<0.00402	<49.5	80.8	<49.5	80.8	80.8	25.8
PH07	08/03/2023	1	<0.00201	<0.00402	<50.4	62.2	<50.4	62.2	62.2	26.6
PH08	08/03/2023	0.5	<0.00202	<0.00403	<49.9	103	<49.9	103	103	106
PH08	08/03/2023	1	<0.00199	<0.00398	<50.4	90.6	<50.4	90.6	90.6	52.0
PH09	08/03/2023	0.5	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	39.2
PH09	08/03/2023	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	65.8
PH10	08/03/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	65.6
PH10	08/03/2023	1	<0.00202	<0.00403	<50.0	50.6	<50.0	50.6	50.6	62.4

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy
West Eumont Unit Seale Battery
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**
PH11	08/03/2023	0.5	<0.00199	<0.00398	<50.3	540	<50.3	540	540	356
PH11	08/03/2023	6	<0.00198	<0.00396	<50.1	59.8	<50.1	59.8	59.8	229
PH06.1	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160.0
PH06.1	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH08	11/20/2023	0.5 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PH08	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

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 10/3/2023 1:32:05 PM Revision 1

JOB DESCRIPTION

WEU Seale Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-5038-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

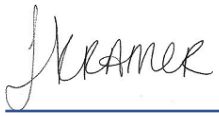
Eurofins Carlsbad

Job Notes

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

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

Authorization



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Revision 1

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

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Laboratory Job ID: 890-5038-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions Job ID: 890-5038-1
Project/Site: WEU Seale Battery SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Job ID: 890-5038-1
SDG: Lea County NM

Job ID: 890-5038-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5038-1

REVISION

The report being provided is a revision of the original report sent on 8/21/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 8/4/2023 4:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: PH01 (890-5038-2) and PH04 (890-5038-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH06 (890-5038-11) and PH07 (890-5038-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-59927 and analytical batch 880-59940 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-60005/95), (LCS 880-60013/1-A), (MB 880-59996/5-A) and (MB 880-60013/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH11 (890-5038-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60005 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-60005/64).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60321 and analytical batch 880-60520 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60520/31), (CCV 880-60520/47) and (CCV 880-60520/58). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Job ID: 890-5038-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60323 and analytical batch 880-60522 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH07 (890-5038-13), PH07 (890-5038-14) and PH09 (890-5038-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60522/31), (CCV 880-60522/47) and (CCV 880-60522/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-60323 and analytical batch 880-60522 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59539 and analytical batch 880-59748 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH01
Date Collected: 08/03/23 15:00
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-1
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		08/11/23 10:59	08/11/23 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:52*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:52*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/15/23 16:37*	*08/19/23 04:43*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/15/23 16:37*	*08/19/23 04:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.9**		5.02		mg/Kg			08/09/23 20:20	1

Client Sample ID: PH01
Date Collected: 08/03/23 15:05
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-2
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		08/11/23 10:59	08/11/23 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH01

Date Collected: 08/03/23 15:05
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-2

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:13*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 17:13*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1
Total TPH	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/15/23 16:37*	*08/19/23 05:04*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/15/23 16:37*	*08/19/23 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.4**		5.00		mg/Kg			08/09/23 20:37	1

Client Sample ID: PH02

Date Collected: 08/03/23 15:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:33*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:33*	*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			08/14/23 14:44	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH02
Date Collected: 08/03/23 15:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.4**		50.2		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1
Diesel Range Organics (Over C10-C28)	**58.4**	**F1**	50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1
Total TPH	**58.4**		50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/15/23 16:42*	*08/18/23 20:50*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/15/23 16:42*	*08/18/23 20:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.6**		4.98		mg/Kg			08/09/23 20:42	1

Client Sample ID: PH02
Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:54*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:54*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**75.3**		49.8		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Diesel Range Organics (Over C10-C28)	**75.3**		49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH02

Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.3		49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:12*	*1*
o-Terphenyl	*81*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.9		4.99		mg/Kg			08/09/23 20:48	1

Client Sample ID: PH03

Date Collected: 08/03/23 15:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:15*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Total TPH	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:06*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:06*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH03
Date Collected: 08/03/23 15:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-5
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		25.1		mg/Kg			08/09/23 20:54	5

Client Sample ID: PH03
Date Collected: 08/03/23 15:25
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:35*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:35*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:29*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		50.4		mg/Kg			08/09/23 21:11	10

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH04
Date Collected: 08/03/23 15:30
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:56*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:56*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:51*	*1*
o-Terphenyl	*107*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2060**		101		mg/Kg			08/09/23 21:17	20

Client Sample ID: PH04
Date Collected: 08/03/23 15:35
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-8
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		08/11/23 10:59	08/11/23 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 10:59	08/11/23 19:16	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 08/03/23 15:35
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-8

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:16*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 19:16*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:13*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**546**		24.8		mg/Kg			08/09/23 21:22	5

Client Sample ID: PH05

Date Collected: 08/03/23 15:40
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:37*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:37*	*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			08/14/23 14:44	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH05

Date Collected: 08/03/23 15:40
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**518**		49.8		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Diesel Range Organics (Over C10-C28)	**518**		49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Total TPH	**518**		49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:19*	*1*
o-Terphenyl	*113*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**359**		4.95		mg/Kg			08/09/23 21:28	1

Client Sample ID: PH05

Date Collected: 08/03/23 15:45
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:57*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**209**		50.2		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1
Diesel Range Organics (Over C10-C28)	**209**		50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH05

Date Collected: 08/03/23 15:45
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**209**		50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:04*	*1*
o-Terphenyl	*117*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1240**		4.97		mg/Kg			08/09/23 21:33	1

Client Sample ID: PH06

Date Collected: 08/03/23 15:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-11
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		08/11/23 10:59	08/11/23 21:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*08/11/23 10:59*	*08/11/23 21:21*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 21:21*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**285**		50.5		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Diesel Range Organics (Over C10-C28)	**285**		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Total TPH	**285**		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:41*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:41*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH06
Date Collected: 08/03/23 15:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-11
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**	**F1**	5.04		mg/Kg			08/09/23 21:39	1

Client Sample ID: PH06
Date Collected: 08/03/23 16:00
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/11/23 10:59*	*08/11/23 21:41*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/11/23 10:59*	*08/11/23 21:41*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**151**		49.6		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Diesel Range Organics (Over C10-C28)	**151**		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Total TPH	**151**		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:34*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		4.98		mg/Kg			08/09/23 21:56	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH07

Date Collected: 08/03/23 16:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:02*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 22:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**80.8**		49.5		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1
Diesel Range Organics (Over C10-C28)	**80.8**		49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1
Total TPH	**80.8**		49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 00:57*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 00:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.8**		4.99		mg/Kg			08/09/23 22:02	1

Client Sample ID: PH07

Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:22	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH07

Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-14

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:22*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:22*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.2**		50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1
Diesel Range Organics (Over C10-C28)	**62.2**		50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1
Total TPH	**62.2**		50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*63*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 01:43*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 01:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.6**		5.01		mg/Kg			08/09/23 22:19	1

Client Sample ID: PH08

Date Collected: 08/03/23 16:30
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-15

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		08/11/23 10:59	08/11/23 22:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:43*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:43*	*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			08/14/23 14:44	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH08
Date Collected: 08/03/23 16:30
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**103**		49.9		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Diesel Range Organics (Over C10-C28)	**103**		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Total TPH	**103**		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:26*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		5.00		mg/Kg			08/09/23 22:24	1

Client Sample ID: PH08
Date Collected: 08/03/23 16:40
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-16
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		08/11/23 10:59	08/11/23 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:04*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**90.6**		50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Diesel Range Organics (Over C10-C28)	**90.6**		50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH08

Date Collected: 08/03/23 16:40
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.6		50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:49*	*1*
o-Terphenyl	*78*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.0		5.00		mg/Kg			08/09/23 22:30	1

Client Sample ID: PH09

Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:24*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:35*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:35*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH09
Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-17
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		4.97		mg/Kg			08/09/23 22:36	1

Client Sample ID: PH09
Date Collected: 08/03/23 17:00
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:45*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 03:59*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 03:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.8		4.97		mg/Kg			08/09/23 22:41	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH10
Date Collected: 08/03/23 17:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:21*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.6**		5.05		mg/Kg			08/09/23 22:47	1

Client Sample ID: PH10
Date Collected: 08/03/23 17:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-20
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		08/11/23 10:59	08/12/23 00:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH10

Date Collected: 08/03/23 17:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-20

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:26*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.6**		50.0		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1
Diesel Range Organics (Over C10-C28)	**50.6**		50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1
Total TPH	**50.6**		50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:43*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.4**		5.01		mg/Kg			08/09/23 22:53	1

Client Sample ID: PH11

Date Collected: 08/03/23 17:25
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-21

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		08/12/23 14:59	08/14/23 07:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/12/23 14:59*	*08/14/23 07:22*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/12/23 14:59*	*08/14/23 07:22*	*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			08/14/23 15:21	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH11

Date Collected: 08/03/23 17:25
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**540**		50.3		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Diesel Range Organics (Over C10-C28)	**540**		50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Total TPH	**540**		50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/15/23 16:42*	*08/18/23 21:57*	*1*
o-Terphenyl	*112*		*70 - 130*	*08/15/23 16:42*	*08/18/23 21:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		4.97		mg/Kg			08/09/23 18:55	1

Client Sample ID: PH11

Date Collected: 08/03/23 17:35
Date Received: 08/04/23 16:05
Sample Depth: 6

Lab Sample ID: 890-5038-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 07:48*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/12/23 14:59*	*08/14/23 07:48*	*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			08/14/23 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**59.8**		50.1		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Diesel Range Organics (Over C10-C28)	**59.8**		50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH11

Date Collected: 08/03/23 17:35
Date Received: 08/04/23 16:05
Sample Depth: 6

Lab Sample ID: 890-5038-22

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.8		50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*08/15/23 16:42*	*08/19/23 05:04*	*1*
o-Terphenyl	*123*		*70 - 130*	*08/15/23 16:42*	*08/19/23 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		5.04		mg/Kg			08/09/23 19:02	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-5038-1	PH01	76	72
890-5038-1 MS	PH01	114	112
890-5038-1 MSD	PH01	105	119
890-5038-2	PH01	87	62 S1-
890-5038-3	PH02	80	79
890-5038-4	PH02	87	77
890-5038-5	PH03	85	75
890-5038-6	PH03	85	83
890-5038-7	PH04	78	95
890-5038-8	PH04	87	63 S1-
890-5038-9	PH05	85	77
890-5038-10	PH05	82	74
890-5038-11	PH06	83	64 S1-
890-5038-12	PH06	112	84
890-5038-13	PH07	88	59 S1-
890-5038-14	PH07	77	80
890-5038-15	PH08	78	72
890-5038-16	PH08	89	85
890-5038-17	PH09	91	76
890-5038-18	PH09	89	80
890-5038-19	PH10	81	93
890-5038-20	PH10	87	86
890-5038-21	PH11	101	91
890-5038-22	PH11	131 S1+	87
LCS 880-59927/1-A	Lab Control Sample	107	111
LCS 880-60013/1-A	Lab Control Sample	92	69 S1-
LCSD 880-59927/2-A	Lab Control Sample Dup	110	119
LCSD 880-60013/2-A	Lab Control Sample Dup	96	90
MB 880-59927/5-A	Method Blank	73	78
MB 880-59996/5-A	Method Blank	53 S1-	70
MB 880-60013/5-A	Method Blank	54 S1-	81

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-5038-1	PH01	109	88
890-5038-2	PH01	112	91
890-5038-3	PH02	93	97
890-5038-3 MS	PH02	96	93
890-5038-3 MSD	PH02	89	87
890-5038-4	PH02	82	81
890-5038-5	PH03	83	88
890-5038-6	PH03	84	89

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-5038-7	PH04	101	107
890-5038-8	PH04	88	94
890-5038-9	PH05	106	113
890-5038-10	PH05	111	117
890-5038-11	PH06	105	110
890-5038-12	PH06	100	104
890-5038-13	PH07	67 S1-	62 S1-
890-5038-14	PH07	63 S1-	63 S1-
890-5038-15	PH08	97	98
890-5038-16	PH08	75	78
890-5038-17	PH09	94	98
890-5038-18	PH09	61 S1-	59 S1-
890-5038-19	PH10	107	110
890-5038-20	PH10	120	121
890-5038-21	PH11	106	112
890-5038-22	PH11	117	123
LCS 880-60321/2-A	Lab Control Sample	121	103
LCS 880-60323/2-A	Lab Control Sample	105	116
LCSD 880-60321/3-A	Lab Control Sample Dup	125	104
LCSD 880-60323/3-A	Lab Control Sample Dup	108	121
MB 880-60321/1-A	Method Blank	157 S1+	130
MB 880-60323/1-A	Method Blank	128	136 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59927/5-A
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 16:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:30*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:30*	*1*

Lab Sample ID: LCS 880-59927/1-A
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		101	70 - 130
Toluene	0.100	0.1051		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.1958		mg/Kg		98	70 - 130
o-Xylene	0.100	0.1095		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-59927/2-A
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1027		mg/Kg		103	70 - 130	2	35
Toluene	0.100	0.1076		mg/Kg		108	70 - 130	2	35
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2328		mg/Kg		116	70 - 130	17	35
o-Xylene	0.100	0.1136		mg/Kg		114	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: 890-5038-1 MS
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1026		mg/Kg		102	70 - 130
Toluene	<0.00199	U	0.0998	0.1070		mg/Kg		107	70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: 890-5038-1 MS
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.1056		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2283		mg/Kg		114	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1110		mg/Kg		111	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-5038-1 MSD
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1035		mg/Kg		102	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.1068		mg/Kg		107	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.100	0.1019		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2198		mg/Kg		110	70 - 130	4	35
o-Xylene	<0.00199	U	0.100	0.1071		mg/Kg		107	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: MB 880-59996/5-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 08:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*53*	*S1-*	*70 - 130*	*08/11/23 17:43*	*08/13/23 08:33*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*08/11/23 17:43*	*08/13/23 08:33*	*1*

Lab Sample ID: MB 880-60013/5-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/13/23 22:02	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60013/5-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/13/23 22:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*	*S1-*	*70 - 130*	*08/12/23 14:59*	*08/13/23 22:02*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/12/23 14:59*	*08/13/23 22:02*	*1*

Lab Sample ID: LCS 880-60013/1-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1140		mg/Kg		114	70 - 130
Toluene	0.100	0.09907		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1180		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	0.200	0.2295		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1158		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-60013/2-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1184		mg/Kg		118	70 - 130	4	35
Toluene	0.100	0.1239		mg/Kg		124	70 - 130	22	35
Ethylbenzene	0.100	0.1276		mg/Kg		128	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2443		mg/Kg		122	70 - 130	6	35
o-Xylene	0.100	0.1218		mg/Kg		122	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: MB 880-60321/1-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60321

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		08/15/23 16:37	08/18/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60321/1-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*157*	*S1+*	*70 - 130*	*08/15/23 16:37*	*08/18/23 19:44*	*1*
o-Terphenyl	*130*		*70 - 130*	*08/15/23 16:37*	*08/18/23 19:44*	*1*

Lab Sample ID: LCS 880-60321/2-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1166		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	932.6		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-60321/3-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60321

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1087		mg/Kg		109	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	859.8		mg/Kg		86	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*125*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: MB 880-60323/1-A
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60323

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		08/15/23 16:42	08/18/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*08/15/23 16:42*	*08/18/23 19:44*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*08/15/23 16:42*	*08/18/23 19:44*	*1*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-60323/2-A
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60323

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	950.4		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	877.1		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: LCSD 880-60323/3-A
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	911.0		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	864.8		mg/Kg		86	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: 890-5038-3 MS
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: PH02
Prep Type: Total/NA
Prep Batch: 60323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1063		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	58.4	F1	1010	768.3		mg/Kg		70	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 890-5038-3 MSD
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: PH02
Prep Type: Total/NA
Prep Batch: 60323

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	<50.2	U	1010	1003		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	58.4	F1	1010	726.6	F1	mg/Kg		66	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: 890-5038-3 MSD
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: PH02
Prep Type: Total/NA
Prep Batch: 60323

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59539/1-A
Matrix: Solid
Analysis Batch: 59748

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			08/09/23 20:02	1

Lab Sample ID: LCS 880-59539/2-A
Matrix: Solid
Analysis Batch: 59748

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.3		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-59539/3-A
Matrix: Solid
Analysis Batch: 59748

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	230.0		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 890-5038-1 MS
Matrix: Solid
Analysis Batch: 59748

Client Sample ID: PH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	34.9		251	309.5		mg/Kg		109	90 - 110		

Lab Sample ID: 890-5038-1 MSD
Matrix: Solid
Analysis Batch: 59748

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	34.9		251	305.9		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 890-5038-11 MS
Matrix: Solid
Analysis Batch: 59748

Client Sample ID: PH06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	123	F1	252	302.9	F1	mg/Kg		71	90 - 110		

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5038-11 MSD
Matrix: Solid
Analysis Batch: 59748

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	123	F1	252	300.4	F1	mg/Kg		70	90 - 110	1	20

Lab Sample ID: MB 880-59538/1-A
Matrix: Solid
Analysis Batch: 59750

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			08/09/23 15:55	1

Lab Sample ID: LCS 880-59538/2-A
Matrix: Solid
Analysis Batch: 59750

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.6		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-59538/3-A
Matrix: Solid
Analysis Batch: 59750

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.4		mg/Kg		97	90 - 110	3	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC VOA

Prep Batch: 59927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	5035	
890-5038-2	PH01	Total/NA	Solid	5035	
890-5038-3	PH02	Total/NA	Solid	5035	
890-5038-4	PH02	Total/NA	Solid	5035	
890-5038-5	PH03	Total/NA	Solid	5035	
890-5038-6	PH03	Total/NA	Solid	5035	
890-5038-7	PH04	Total/NA	Solid	5035	
890-5038-8	PH04	Total/NA	Solid	5035	
890-5038-9	PH05	Total/NA	Solid	5035	
890-5038-10	PH05	Total/NA	Solid	5035	
890-5038-11	PH06	Total/NA	Solid	5035	
890-5038-12	PH06	Total/NA	Solid	5035	
890-5038-13	PH07	Total/NA	Solid	5035	
890-5038-14	PH07	Total/NA	Solid	5035	
890-5038-15	PH08	Total/NA	Solid	5035	
890-5038-16	PH08	Total/NA	Solid	5035	
890-5038-17	PH09	Total/NA	Solid	5035	
890-5038-18	PH09	Total/NA	Solid	5035	
890-5038-19	PH10	Total/NA	Solid	5035	
890-5038-20	PH10	Total/NA	Solid	5035	
MB 880-59927/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59927/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59927/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5038-1 MS	PH01	Total/NA	Solid	5035	
890-5038-1 MSD	PH01	Total/NA	Solid	5035	

Analysis Batch: 59940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8021B	59927
890-5038-2	PH01	Total/NA	Solid	8021B	59927
890-5038-3	PH02	Total/NA	Solid	8021B	59927
890-5038-4	PH02	Total/NA	Solid	8021B	59927
890-5038-5	PH03	Total/NA	Solid	8021B	59927
890-5038-6	PH03	Total/NA	Solid	8021B	59927
890-5038-7	PH04	Total/NA	Solid	8021B	59927
890-5038-8	PH04	Total/NA	Solid	8021B	59927
890-5038-9	PH05	Total/NA	Solid	8021B	59927
890-5038-10	PH05	Total/NA	Solid	8021B	59927
890-5038-11	PH06	Total/NA	Solid	8021B	59927
890-5038-12	PH06	Total/NA	Solid	8021B	59927
890-5038-13	PH07	Total/NA	Solid	8021B	59927
890-5038-14	PH07	Total/NA	Solid	8021B	59927
890-5038-15	PH08	Total/NA	Solid	8021B	59927
890-5038-16	PH08	Total/NA	Solid	8021B	59927
890-5038-17	PH09	Total/NA	Solid	8021B	59927
890-5038-18	PH09	Total/NA	Solid	8021B	59927
890-5038-19	PH10	Total/NA	Solid	8021B	59927
890-5038-20	PH10	Total/NA	Solid	8021B	59927
MB 880-59927/5-A	Method Blank	Total/NA	Solid	8021B	59927
LCS 880-59927/1-A	Lab Control Sample	Total/NA	Solid	8021B	59927
LCSD 880-59927/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59927

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 59940 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1 MS	PH01	Total/NA	Solid	8021B	59927
890-5038-1 MSD	PH01	Total/NA	Solid	8021B	59927

Prep Batch: 59996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59996/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 60005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Total/NA	Solid	8021B	60013
890-5038-22	PH11	Total/NA	Solid	8021B	60013
MB 880-59996/5-A	Method Blank	Total/NA	Solid	8021B	59996
MB 880-60013/5-A	Method Blank	Total/NA	Solid	8021B	60013
LCS 880-60013/1-A	Lab Control Sample	Total/NA	Solid	8021B	60013
LCSD 880-60013/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60013

Prep Batch: 60013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Total/NA	Solid	5035	
890-5038-22	PH11	Total/NA	Solid	5035	
MB 880-60013/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60013/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60013/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 60118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	Total BTEX	
890-5038-2	PH01	Total/NA	Solid	Total BTEX	
890-5038-3	PH02	Total/NA	Solid	Total BTEX	
890-5038-4	PH02	Total/NA	Solid	Total BTEX	
890-5038-5	PH03	Total/NA	Solid	Total BTEX	
890-5038-6	PH03	Total/NA	Solid	Total BTEX	
890-5038-7	PH04	Total/NA	Solid	Total BTEX	
890-5038-8	PH04	Total/NA	Solid	Total BTEX	
890-5038-9	PH05	Total/NA	Solid	Total BTEX	
890-5038-10	PH05	Total/NA	Solid	Total BTEX	
890-5038-11	PH06	Total/NA	Solid	Total BTEX	
890-5038-12	PH06	Total/NA	Solid	Total BTEX	
890-5038-13	PH07	Total/NA	Solid	Total BTEX	
890-5038-14	PH07	Total/NA	Solid	Total BTEX	
890-5038-15	PH08	Total/NA	Solid	Total BTEX	
890-5038-16	PH08	Total/NA	Solid	Total BTEX	
890-5038-17	PH09	Total/NA	Solid	Total BTEX	
890-5038-18	PH09	Total/NA	Solid	Total BTEX	
890-5038-19	PH10	Total/NA	Solid	Total BTEX	
890-5038-20	PH10	Total/NA	Solid	Total BTEX	
890-5038-21	PH11	Total/NA	Solid	Total BTEX	
890-5038-22	PH11	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 60321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8015NM Prep	
890-5038-2	PH01	Total/NA	Solid	8015NM Prep	
MB 880-60321/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60321/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 60323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-3	PH02	Total/NA	Solid	8015NM Prep	
890-5038-4	PH02	Total/NA	Solid	8015NM Prep	
890-5038-5	PH03	Total/NA	Solid	8015NM Prep	
890-5038-6	PH03	Total/NA	Solid	8015NM Prep	
890-5038-7	PH04	Total/NA	Solid	8015NM Prep	
890-5038-8	PH04	Total/NA	Solid	8015NM Prep	
890-5038-9	PH05	Total/NA	Solid	8015NM Prep	
890-5038-10	PH05	Total/NA	Solid	8015NM Prep	
890-5038-11	PH06	Total/NA	Solid	8015NM Prep	
890-5038-12	PH06	Total/NA	Solid	8015NM Prep	
890-5038-13	PH07	Total/NA	Solid	8015NM Prep	
890-5038-14	PH07	Total/NA	Solid	8015NM Prep	
890-5038-15	PH08	Total/NA	Solid	8015NM Prep	
890-5038-16	PH08	Total/NA	Solid	8015NM Prep	
890-5038-17	PH09	Total/NA	Solid	8015NM Prep	
890-5038-18	PH09	Total/NA	Solid	8015NM Prep	
890-5038-19	PH10	Total/NA	Solid	8015NM Prep	
890-5038-20	PH10	Total/NA	Solid	8015NM Prep	
890-5038-21	PH11	Total/NA	Solid	8015NM Prep	
890-5038-22	PH11	Total/NA	Solid	8015NM Prep	
MB 880-60323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5038-3 MS	PH02	Total/NA	Solid	8015NM Prep	
890-5038-3 MSD	PH02	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8015B NM	60321
890-5038-2	PH01	Total/NA	Solid	8015B NM	60321
MB 880-60321/1-A	Method Blank	Total/NA	Solid	8015B NM	60321
LCS 880-60321/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60321
LCSD 880-60321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60321

Analysis Batch: 60522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-3	PH02	Total/NA	Solid	8015B NM	60323
890-5038-4	PH02	Total/NA	Solid	8015B NM	60323
890-5038-5	PH03	Total/NA	Solid	8015B NM	60323
890-5038-6	PH03	Total/NA	Solid	8015B NM	60323
890-5038-7	PH04	Total/NA	Solid	8015B NM	60323
890-5038-8	PH04	Total/NA	Solid	8015B NM	60323
890-5038-9	PH05	Total/NA	Solid	8015B NM	60323

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 60522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-10	PH05	Total/NA	Solid	8015B NM	60323
890-5038-11	PH06	Total/NA	Solid	8015B NM	60323
890-5038-12	PH06	Total/NA	Solid	8015B NM	60323
890-5038-13	PH07	Total/NA	Solid	8015B NM	60323
890-5038-14	PH07	Total/NA	Solid	8015B NM	60323
890-5038-15	PH08	Total/NA	Solid	8015B NM	60323
890-5038-16	PH08	Total/NA	Solid	8015B NM	60323
890-5038-17	PH09	Total/NA	Solid	8015B NM	60323
890-5038-18	PH09	Total/NA	Solid	8015B NM	60323
890-5038-19	PH10	Total/NA	Solid	8015B NM	60323
890-5038-20	PH10	Total/NA	Solid	8015B NM	60323
890-5038-21	PH11	Total/NA	Solid	8015B NM	60323
890-5038-22	PH11	Total/NA	Solid	8015B NM	60323
MB 880-60323/1-A	Method Blank	Total/NA	Solid	8015B NM	60323
LCS 880-60323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60323
LCSD 880-60323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60323
890-5038-3 MS	PH02	Total/NA	Solid	8015B NM	60323
890-5038-3 MSD	PH02	Total/NA	Solid	8015B NM	60323

Analysis Batch: 60713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8015 NM	
890-5038-2	PH01	Total/NA	Solid	8015 NM	
890-5038-3	PH02	Total/NA	Solid	8015 NM	
890-5038-4	PH02	Total/NA	Solid	8015 NM	
890-5038-5	PH03	Total/NA	Solid	8015 NM	
890-5038-6	PH03	Total/NA	Solid	8015 NM	
890-5038-7	PH04	Total/NA	Solid	8015 NM	
890-5038-8	PH04	Total/NA	Solid	8015 NM	
890-5038-9	PH05	Total/NA	Solid	8015 NM	
890-5038-10	PH05	Total/NA	Solid	8015 NM	
890-5038-11	PH06	Total/NA	Solid	8015 NM	
890-5038-12	PH06	Total/NA	Solid	8015 NM	
890-5038-13	PH07	Total/NA	Solid	8015 NM	
890-5038-14	PH07	Total/NA	Solid	8015 NM	
890-5038-15	PH08	Total/NA	Solid	8015 NM	
890-5038-16	PH08	Total/NA	Solid	8015 NM	
890-5038-17	PH09	Total/NA	Solid	8015 NM	
890-5038-18	PH09	Total/NA	Solid	8015 NM	
890-5038-19	PH10	Total/NA	Solid	8015 NM	
890-5038-20	PH10	Total/NA	Solid	8015 NM	
890-5038-21	PH11	Total/NA	Solid	8015 NM	
890-5038-22	PH11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Soluble	Solid	DI Leach	
890-5038-22	PH11	Soluble	Solid	DI Leach	
MB 880-59538/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 59538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-59538/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59538/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 59539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Soluble	Solid	DI Leach	
890-5038-2	PH01	Soluble	Solid	DI Leach	
890-5038-3	PH02	Soluble	Solid	DI Leach	
890-5038-4	PH02	Soluble	Solid	DI Leach	
890-5038-5	PH03	Soluble	Solid	DI Leach	
890-5038-6	PH03	Soluble	Solid	DI Leach	
890-5038-7	PH04	Soluble	Solid	DI Leach	
890-5038-8	PH04	Soluble	Solid	DI Leach	
890-5038-9	PH05	Soluble	Solid	DI Leach	
890-5038-10	PH05	Soluble	Solid	DI Leach	
890-5038-11	PH06	Soluble	Solid	DI Leach	
890-5038-12	PH06	Soluble	Solid	DI Leach	
890-5038-13	PH07	Soluble	Solid	DI Leach	
890-5038-14	PH07	Soluble	Solid	DI Leach	
890-5038-15	PH08	Soluble	Solid	DI Leach	
890-5038-16	PH08	Soluble	Solid	DI Leach	
890-5038-17	PH09	Soluble	Solid	DI Leach	
890-5038-18	PH09	Soluble	Solid	DI Leach	
890-5038-19	PH10	Soluble	Solid	DI Leach	
890-5038-20	PH10	Soluble	Solid	DI Leach	
MB 880-59539/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59539/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59539/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5038-1 MS	PH01	Soluble	Solid	DI Leach	
890-5038-1 MSD	PH01	Soluble	Solid	DI Leach	
890-5038-11 MS	PH06	Soluble	Solid	DI Leach	
890-5038-11 MSD	PH06	Soluble	Solid	DI Leach	

Analysis Batch: 59748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Soluble	Solid	300.0	59539
890-5038-2	PH01	Soluble	Solid	300.0	59539
890-5038-3	PH02	Soluble	Solid	300.0	59539
890-5038-4	PH02	Soluble	Solid	300.0	59539
890-5038-5	PH03	Soluble	Solid	300.0	59539
890-5038-6	PH03	Soluble	Solid	300.0	59539
890-5038-7	PH04	Soluble	Solid	300.0	59539
890-5038-8	PH04	Soluble	Solid	300.0	59539
890-5038-9	PH05	Soluble	Solid	300.0	59539
890-5038-10	PH05	Soluble	Solid	300.0	59539
890-5038-11	PH06	Soluble	Solid	300.0	59539
890-5038-12	PH06	Soluble	Solid	300.0	59539
890-5038-13	PH07	Soluble	Solid	300.0	59539
890-5038-14	PH07	Soluble	Solid	300.0	59539
890-5038-15	PH08	Soluble	Solid	300.0	59539
890-5038-16	PH08	Soluble	Solid	300.0	59539

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 59748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-17	PH09	Soluble	Solid	300.0	59539
890-5038-18	PH09	Soluble	Solid	300.0	59539
890-5038-19	PH10	Soluble	Solid	300.0	59539
890-5038-20	PH10	Soluble	Solid	300.0	59539
MB 880-59539/1-A	Method Blank	Soluble	Solid	300.0	59539
LCS 880-59539/2-A	Lab Control Sample	Soluble	Solid	300.0	59539
LCSD 880-59539/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59539
890-5038-1 MS	PH01	Soluble	Solid	300.0	59539
890-5038-1 MSD	PH01	Soluble	Solid	300.0	59539
890-5038-11 MS	PH06	Soluble	Solid	300.0	59539
890-5038-11 MSD	PH06	Soluble	Solid	300.0	59539

Analysis Batch: 59750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Soluble	Solid	300.0	59538
890-5038-22	PH11	Soluble	Solid	300.0	59538
MB 880-59538/1-A	Method Blank	Soluble	Solid	300.0	59538
LCS 880-59538/2-A	Lab Control Sample	Soluble	Solid	300.0	59538
LCSD 880-59538/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59538

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH01
Date Collected: 08/03/23 15:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 16:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:20	CH	EET MID

Client Sample ID: PH01
Date Collected: 08/03/23 15:05
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-2
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			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:37	CH	EET MID

Client Sample ID: PH02
Date Collected: 08/03/23 15:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 20:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:42	CH	EET MID

Client Sample ID: PH02
Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-4
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			5.00 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH02
Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-4
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			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:48	CH	EET MID

Client Sample ID: PH03
Date Collected: 08/03/23 15:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-5
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			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 02:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		5			59748	08/09/23 20:54	CH	EET MID

Client Sample ID: PH03
Date Collected: 08/03/23 15:25
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 02:29	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		10			59748	08/09/23 21:11	CH	EET MID

Client Sample ID: PH04
Date Collected: 08/03/23 15:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-7
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	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 02:51	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH04
Date Collected: 08/03/23 15:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		20			59748	08/09/23 21:17	CH	EET MID

Client Sample ID: PH04
Date Collected: 08/03/23 15:35
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-8
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			4.99 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		5			59748	08/09/23 21:22	CH	EET MID

Client Sample ID: PH05
Date Collected: 08/03/23 15:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 22:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:28	CH	EET MID

Client Sample ID: PH05
Date Collected: 08/03/23 15:45
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-10
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			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:33	CH	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH06
Date Collected: 08/03/23 15:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 21:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:39	CH	EET MID

Client Sample ID: PH06
Date Collected: 08/03/23 16:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 21:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:34	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:56	CH	EET MID

Client Sample ID: PH07
Date Collected: 08/03/23 16:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:02	CH	EET MID

Client Sample ID: PH07
Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH07
Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-14
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			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:19	CH	EET MID

Client Sample ID: PH08
Date Collected: 08/03/23 16:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-15
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			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:24	CH	EET MID

Client Sample ID: PH08
Date Collected: 08/03/23 16:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-16
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			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:30	CH	EET MID

Client Sample ID: PH09
Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:35	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH09
Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:36	CH	EET MID

Client Sample ID: PH09
Date Collected: 08/03/23 17:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-18
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			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:41	CH	EET MID

Client Sample ID: PH10
Date Collected: 08/03/23 17:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-19
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			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:47	CH	EET MID

Client Sample ID: PH10
Date Collected: 08/03/23 17:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-20
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			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:53	CH	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH11
Date Collected: 08/03/23 17:25
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-21
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			5.03 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 21:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:55	CH	EET MID

Client Sample ID: PH11
Date Collected: 08/03/23 17:35
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-22
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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 19:02	CH	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
Job ID: 890-5038-1
Project/Site: WEU Seale Battery
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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
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 Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5038-1	PH01	Solid	08/03/23 15:00	08/04/23 16:05	0.5
890-5038-2	PH01	Solid	08/03/23 15:05	08/04/23 16:05	2
890-5038-3	PH02	Solid	08/03/23 15:10	08/04/23 16:05	0.5
890-5038-4	PH02	Solid	08/03/23 15:15	08/04/23 16:05	2
890-5038-5	PH03	Solid	08/03/23 15:20	08/04/23 16:05	0.5
890-5038-6	PH03	Solid	08/03/23 15:25	08/04/23 16:05	2
890-5038-7	PH04	Solid	08/03/23 15:30	08/04/23 16:05	0.5
890-5038-8	PH04	Solid	08/03/23 15:35	08/04/23 16:05	2
890-5038-9	PH05	Solid	08/03/23 15:40	08/04/23 16:05	0.5
890-5038-10	PH05	Solid	08/03/23 15:45	08/04/23 16:05	2
890-5038-11	PH06	Solid	08/03/23 15:50	08/04/23 16:05	0.5
890-5038-12	PH06	Solid	08/03/23 16:00	08/04/23 16:05	1
890-5038-13	PH07	Solid	08/03/23 16:10	08/04/23 16:05	0.5
890-5038-14	PH07	Solid	08/03/23 16:20	08/04/23 16:05	1
890-5038-15	PH08	Solid	08/03/23 16:30	08/04/23 16:05	0.5
890-5038-16	PH08	Solid	08/03/23 16:40	08/04/23 16:05	1
890-5038-17	PH09	Solid	08/03/23 16:50	08/04/23 16:05	0.5
890-5038-18	PH09	Solid	08/03/23 17:00	08/04/23 16:05	1
890-5038-19	PH10	Solid	08/03/23 17:10	08/04/23 16:05	0.5
890-5038-20	PH10	Solid	08/03/23 17:20	08/04/23 16:05	1
890-5038-21	PH11	Solid	08/03/23 17:25	08/04/23 16:05	0.5
890-5038-22	PH11	Solid	08/03/23 17:35	08/04/23 16:05	6

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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 3

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@etechevn.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 Seale Battery	Turn Around	
Project Number:	18343	☑ 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:	mm007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.6

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	BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH01	s	8/3/2023	15:00	0.5'	G	1		X	X	X	Incident ID:
PH01	s	8/3/2023	15:05	2'	G	1		X	X	X	nAPP2222254057
PH02	s	8/3/2023	15:10	0.5'	G	1		X	X	X	
PH02	s	8/3/2023	15:15	2'	G	1		X	X	X	
PH03	s	8/3/2023	15:20	0.5'	G	1		X	X	X	
PH03	s	8/3/2023	15:25	2'	G	1		X	X	X	
PH04	s	8/3/2023	15:30	0.5'	G	1		X	X	X	
PH04	s	8/3/2023	15:35	2'	G	1		X	X	X	
PH05	s	8/3/2023	15:40	0.5'	G	1		X	X	X	
PH05	s	8/3/2023	15:45	2'	G	1		X	X	X	

890-5038 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8.4.23 1605	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

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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 2 of 3

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@etechevn.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 Seale Battery	Turn Around	
Project Number:	18343	☑ 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	Pres. Code	BTEX - EPA METHOD 6021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH06	s	8/3/2023	15:50	0.5'	G	1		X	X	X	Incident ID:
PH06	s	8/3/2023	16:00	1'	G	1		X	X	X	nAPP2222254057
PH07	s	8/3/2023	16:10	0.5'	G	1		X	X	X	
PH07	s	8/3/2023	16:20	1'	G	1		X	X	X	
PH08	s	8/3/2023	16:30	0.5'	G	1		X	X	X	
PH08	s	8/3/2023	16:40	1'	G	1		X	X	X	
PH09	s	8/3/2023	16:50	0.5'	G	1		X	X	X	
PH09	s	8/3/2023	17:00	1'	G	1		X	X	X	
PH10	s	8/3/2023	17:10	0.5'	G	1		X	X	X	
PH10	s	8/3/2023	17:20	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		8.4.23 1600			
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 3

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@etechevn.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 Seale Battery	Turn Around	
Project Number:	18343	☑ 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_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH11	s	8/3/2023	17:25	0.5'	G	1		X	X	X	Incident ID: nAPP2222254057
PH11	s	8/3/2023	17:35	6'	G	1		X	X	X	

Parameters

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		8.4.23 1605	4		
3			6		
5					

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5038-1
SDG Number: Lea County NM

Login Number: 5038
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: 890-5038-1
SDG Number: Lea County NM

Login Number: 5038
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 08/08/23 10:38 AM

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 22, 2023

TRAVIS CASEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: WEST EUMONT UNIT SEALE BATT

Enclosed are the results of analyses for samples received by the laboratory on 11/20/23 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATT	Sampling Condition:	** (See Notes)
Project Number:	KH237050	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH06 4' (H236315-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/21/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2023	ND	201	100	200	3.94	
DRO >C10-C28*	<10.0	10.0	11/20/2023	ND	194	97.2	200	11.4	
EXT DRO >C28-C36	<10.0	10.0	11/20/2023	ND					

Surrogate: 1-Chlorooctane *79.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATT	Sampling Condition:	** (See Notes)
Project Number:	KH237050	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH06 5' (H236315-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	11/21/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2023	ND	201	100	200	3.94	
DRO >C10-C28*	<10.0	10.0	11/20/2023	ND	194	97.2	200	11.4	
EXT DRO >C28-C36	<10.0	10.0	11/20/2023	ND					

Surrogate: 1-Chlorooctane *85.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATT	Sampling Condition:	** (See Notes)
Project Number:	KH237050	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH06.1 0.5-1' (H236315-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	11/21/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2023	ND	201	100	200	3.94	
DRO >C10-C28*	<10.0	10.0	11/20/2023	ND	194	97.2	200	11.4	
EXT DRO >C28-C36	<10.0	10.0	11/20/2023	ND					

Surrogate: 1-Chlorooctane *96.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATT	Sampling Condition:	** (See Notes)
Project Number:	KH237050	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH05 4' (H236315-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	11/21/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane *73.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATT	Sampling Condition:	** (See Notes)
Project Number:	KH237050	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH05 5' (H236315-05)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	11/21/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane *96.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/22/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATT	Sampling Condition:	** (See Notes)
Project Number:	KH237050	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH08 0.5-1' (H236315-06)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/21/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane *98.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech	**BILL TO**
Project Manager: Travis Cusey	P.O. #:
Address: 4526 W Pierce St.	Company: 40 Acre Energy
City: Carlsbad State: NM Zip: 88220	Attn: James Martinez
Phone #: 5756815949 Fax #:	Address:
Project #: K1237050 Project Owner: 40 Acre Energy	City:
Project Name: West Eumont Unit Seale Batt	State: Zip:
Project Location:	Phone #: 8064208278
Sampler Name: Travis Cusey	Fax #:

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	TPH	BTEX
H236315																		
1	PH06	4'	C	1			X					X		11-20	1125			
2	PH06	5'	C	1			X					X			1128			
3	PH06.1	0.5-1'	C	1			X					X			1030			
4	PH05	4'	C	1			X					X			1115			
5	PH05	5'	C	1			X					X			1120			
6	PH08	0.5-1'	C	1			X					X			1032			

Relinquished By:	Date: 11-20-23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1230		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.0	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☑ Yes ☑ Yes ☐ No ☐ No		Thermometer ID #140 Correction Factor 0°C	☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 04, 2023

TRAVIS CASEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: WEST EUMONT UNIT SEALE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/29/23 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/29/2023	Sampling Date:	11/29/2023
Reported:	12/04/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH06.1 DS 1.5' (H236423-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/30/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					

Surrogate: 1-Chlorooctane *79.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	11/29/2023	Sampling Date:	11/29/2023
Reported:	12/04/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT SEALE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE		

Sample ID: PH08 1.5' (H236423-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	11/30/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					

Surrogate: 1-Chlorooctane *87.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Terracon
Project Manager:	Travis Casey
Address:	4626 W. Pierce St.
City:	Carlsbad
State:	NM
Zip:	88220
Phone #:	684 5944
Fax #:	
Project #:	
Project Owner:	
Project Name:	West Fermont Unit State Battery
Project Location:	
Sampler Name:	Travis Casey

BILL TO

P.O. #:	
Company:	40 Acres
Attn:	Jesus Martinez
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CL	BTEX	TPH
H236423																	
1	PIT06.1 DS 1.5'	C				X					X		11-29	1115	X	X	X
2	PIT08 1.5'	C				X					X		11-29	1125	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 11-29-23	Received By:	
	Time: 1300		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.5
Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TO

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.4 07/11/23

APPENDIX G

NMOCD Notifications

From: Wells, Shelly, EMNRD
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/4 - 8/5/23
Date: Monday, July 31, 2023 4:48:40 PM
Attachments: image001.png

Hi Erick,

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: Erick Herrera <erick@etechenv.com>
Sent: Monday, July 31, 2023 3:36 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>
Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/4 - 8/5/23

Good afternoon,

40 Acres Energy anticipates conducting confirmation soil sampling activities at the following sites on August 3rd and August 4th.

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit Seale Battery
Incident Number: nAPP2222254057

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit GM State Battery
Incident Number: nAPP2228734147

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit 522
Incident Number: nAPP2222156433

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: Federal D Battery
Discovery Date: 8/2/2022

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

APPENDIX H

Original Submitted RWP

Environmental & Safety Solutions, Inc.

REMEDIATION WORK PLAN

West Eumont Unit Seale Battery

Lea County, New Mexico

Incident Number NAPP2222254057

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 crude oil and produced water at the West Eumont Unit Seale Battery (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 complete the characterization of the subject release and request No Further Action (NFA) in a follow up Closure Request Report (CRR).

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit L, Section 34, Township 20 South, Range 36 East, in Lea County, New Mexico (32.525961°, -103.346619°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A)**.

On August 10, 2022, it was discovered that a tank overflowed and released approximately 1 barrel (bbls) of crude oil and 6 bbls of produced water onto the production pad surface and into the adjacent southern pasture. Vacuum trucks were immediately dispatched and recovered approximately 1 bbls crude oil and 4 bbls produced water. 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 NAPP2222254057. Initial response efforts included the removal of immediate soil impacts up to 5.5 feet below ground surface (bgs) based on visual observation, totaling 208 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**. FAE has since backfilled the excavation inside the containment with caliche in an effort to mitigate potential safety hazards by restoring the stability of active production equipment.

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 bgs based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.58-mile southeast of the Site. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted rotary drill rig equipped with hollow stem

auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. The referenced well record for the soil boring is provided in **Appendix B**.

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 1** 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 20, 2023, to August 3, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and verify the presence or absence of remaining residual impacted soil within and around the AOC. Eleven delineation potholes (PH01 through PH11) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of 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. 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

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

- Initial response efforts including fluid recovery and excavation have mitigated impacts at the Site, and as such, it appears that residual impacts have been excavated and removed in accordance with the applicable Site Closure Criteria.

- Additional delineation soil sampling is required to supplement defining the eastern and western horizontal peripheries of the AOC.

Based on the conclusion drawn above, FAE proposes the following proposal:

- Collecting an additional delineation soil sample east of PH06 and west of PH08 at 0.5- and 1-foot bgs. The samples will be collected, handled and analyzed for BTEX, TPH and chloride by an accredited lab.

- Submitting a CRR with additional delineation soil samples demonstrating concentrations of COCs have defined the horizontal periphery of the AOC and requesting NFA.

Based on the proposed scope of work, FAE believes the completed remedial actions and additional delineation soil sampling will meet the requirements set forth in NMAC 19.15.29.13 regulations to be protective of human health, the environment and groundwater.

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 Geologi

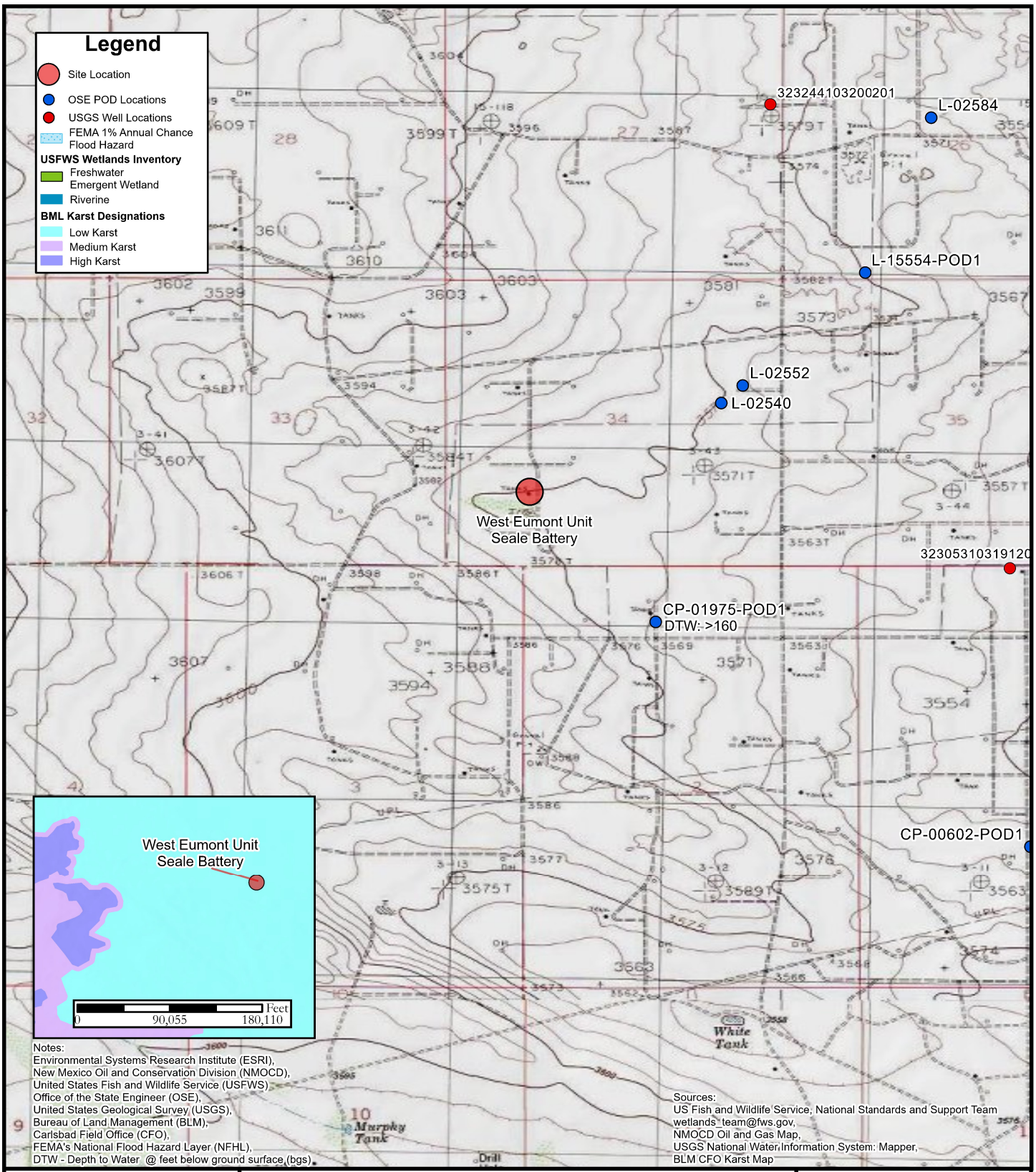
cc: David Schellstede, Forty Acres Energy
New Mexico Oil Conservation Division

Appendices:

Appendix A	Figure 1: Site Map
	Figure 2: Delineation Soil Sample Locations
Appendix B	Referenced Well Records
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



eTECH

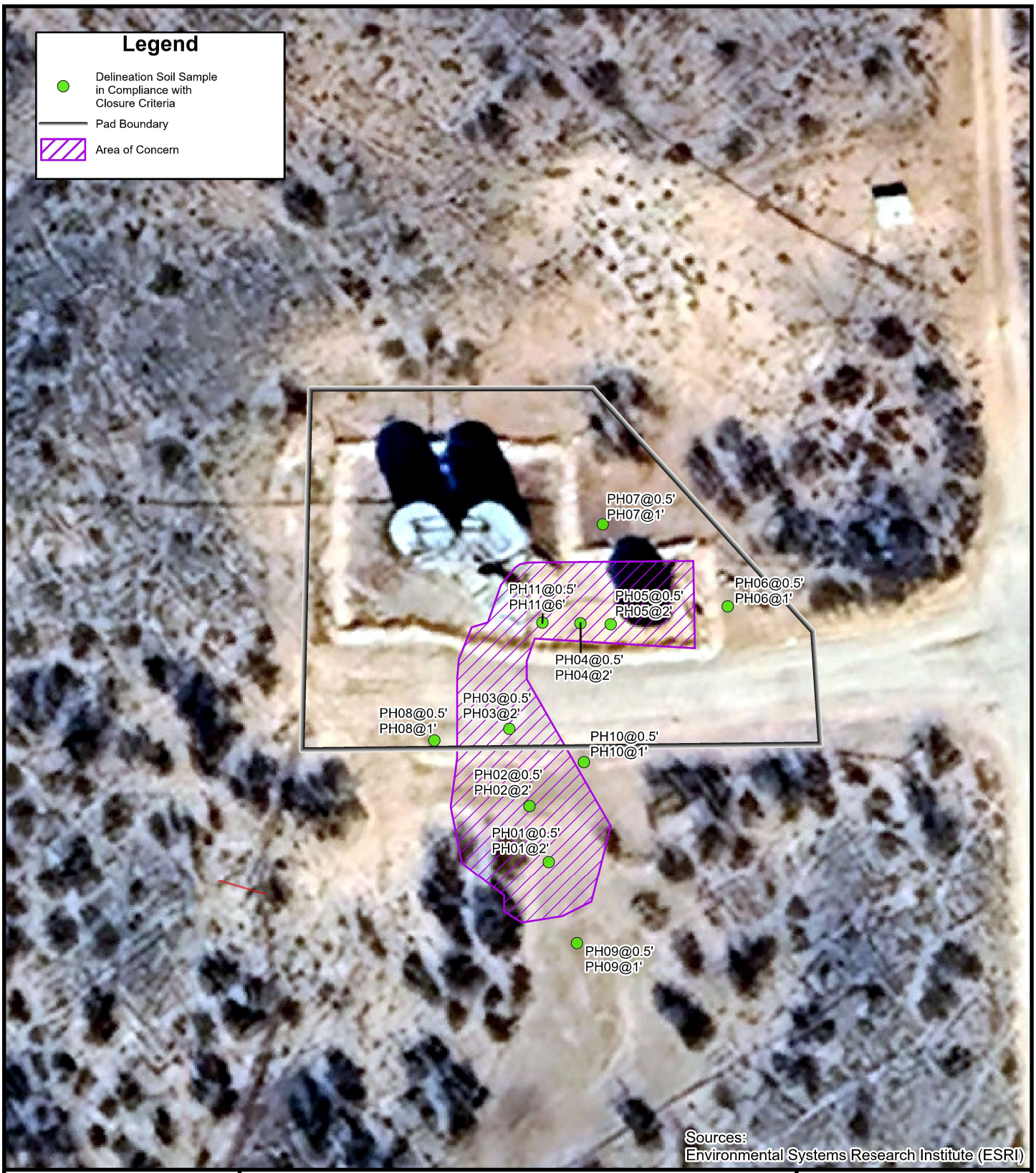
FIGURE 1

Site Map

Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Unit L Sec 34 T20S R36E
Lea County, New Mexico

N

0 1,250 2,500 Feet



eTECH

FIGURE 2

Delineation Soil Sample Locations

Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Unit L Sec 34 T20S R36E
Lea County, New Mexico

N

0 20 40 Feet

APPENDIX B

Referenced Well Records

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	213A19	CP-1975

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Clay Tom Cooper	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
Box 6	Monument	NM	88265

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	31	09.6	N
	LONGITUDE	103	20	24.7	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)
8-24-2023	8-24-2023	160	160	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	20	10	PVC	bell	5	sdr 21	
20	100	8.75	PVC	bell	5	sdr 21	
100	120	8.75	PVC	bell	5	sdr 21	0.020
120	160	8.75	PVC	bell	5	sdr 21	

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	10	3/8 Bentonite hole plug	8	Pour
20	160	8.75	3/8 pea gravel	38	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	5	5	Red Sandy Top Soil	Y ✓ N	
5	46	41	White Caliche	Y ✓ N	
46	94	48	Tan soft SandStone	Y ✓ N	
94	101	7	Red clay	Y ✓ N	
101	108	7	Course sand/gravel	Y ✓ N	
108	160	52	Red Clay	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: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	(0-2') SAND, dry, light brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH01	0.5			
Dry	<112	0.0	No		1	1		
Dry	<112	0.0	No	PH01	2	2		

Total Depth

eTECH

	Sample Name: PH02	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	SW-SM	(0-2') SAND, dry, brown, poorly graded, very fine to fine grained, trace is silt, no staining, no odor.
Dry	<112	0.0	No	PH02	0.5			
Dry	<112	0.0	No		1	1		
Dry	<112	0.0	No	PH02	2	2		

Total Depth

eTECH

	Sample Name: PH03	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-1') CALICHE, dry, no staining, no odor.
Dry	<112	0.0	No	PH03	0.5			
Dry	<112	0.0	No		1	1		
							SP	(1-2') SAND, dry, light brown, poorly graded, very fine to fine grained, trace is silt, no staining, no odor.
Dry	<112	0.0	No	PH03	2	2		

Total Depth

eTECH

	Sample Name: PH04	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-2') Pad surface CALICHE, dry, no staining, no odor.
Dry	<112	0.5	No	PH04	0.5			
Dry	<112	0.0	No		1	1		
Dry	<112	0.5	No	PH04	2	2		

Total Depth

eTECH

	Sample Name: PH05	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-2') CALICHE, dry, no staining, no odor.
Dry	480	0.1	No	PH05	0.5			
Dry	480	0.2	No		1	1		
Dry	860	0.0	No	PH05	2	2		

Total Depth

eTECH

	Sample Name: PH06	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH06	0.5			
Dry	<112	0.0	No	PH06	1	1		

Total Depth

eTECH

	Sample Name: PH07	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH07	0.5			
Dry	<112	0.0	No	PH07	1	1		

Total Depth

eTECH	Sample Name: PH08	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	0.0	No	PH08	0.5			
Dry	<112	0.0	No	PH08	1	1		

Total Depth

eTECH	Sample Name: PH09	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, 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: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.525961, -103.346619	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, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
Dry	<112	1.2	No	PH10	0.5			
Dry	<112	0.0	No	PH10	1	1		

Total Depth

eTECH	Sample Name: PH11	Date: 08/03/2023
	Site Name: West Eumont Unit Seale Battery	
	Incident Number: NAPP222254057	
	Job Number: 18343	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.525961, -103.346619	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	CCHE	(0-4') CALICHE, dry, no staining, no odor fine to fine grained, trace of silt, no staining, no odor.
Dry	480	0.5	No	PH11	0.5			
Dry	860	0.3	No		1	1		(4-6') SAND, dry, brown, poorly graded, very fine to fine grained, trace is silt, no staining, no odor.
Dry	860	0.7	No		2	2		
-	-	-	-		3	3		
Dry	480	0.1	No		4	4	SP	
-	-	-	-		5	5		
Dry	192	0.1	No	PH11	6	6		
						Total Depth		

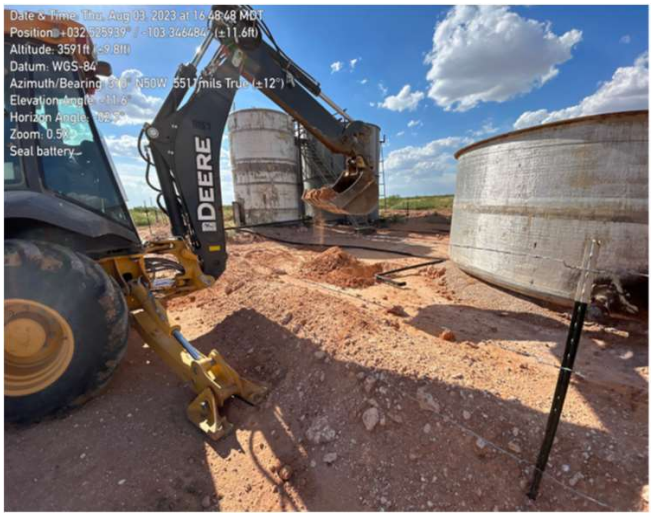
APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
Forty Acres Energy, LLC
West Eumont Unit Seale Battery
Incident Number NAPP2222254057

Photograph 1 **Date: 07/20/2023**
Description: Northeastern view of Site assessment activities.

Photograph 2 **Date: 08/03/2023**
Description: Northwestern view of delineation activities.



Photograph 3 **Date: 08/03/2023**
Description: Northwestern view of delineation activities.

Photograph 4 **Date: 08/03/2023**
Description: Northwestern view of delineation activities.

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy, LLC
West Eumont Unit Seale Battery
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**
Delineation Soil Samples - Incident Number nAPP2222254057										
PH01	08/03/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	34.9
PH01	08/03/2023	2	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	27.4
PH02	08/03/2023	0.5	<0.00201	<0.00402	<50.2	58.4	<50.2	58.4	58.4	57.6
PH02	08/03/2023	2	<0.00200	<0.00400	<49.8	75.3	<49.8	75.3	75.3	37.9
PH03	08/03/2023	0.5	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	312
PH03	08/03/2023	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	432
PH04	08/03/2023	0.5	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	2,060
PH04	08/03/2023	2	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	546
PH05	08/03/2023	0.5	<0.00198	<0.00396	<49.8	518	<49.8	518	518	359
PH05	08/03/2023	2	<0.00199	<0.00398	<50.2	209	<50.2	209	209	1,240
PH06	08/03/2023	0.5	<0.00200	<0.00400	<50.5	285	<50.5	285	285	123
PH06	08/03/2023	1	<0.00198	<0.0396	<49.6	151	<49.6	151	151	122
PH07	08/03/2023	0.5	<0.00201	<0.00402	<49.5	80.8	<49.5	80.8	80.8	25.8
PH07	08/03/2023	1	<0.00201	<0.00402	<50.4	62.2	<50.4	62.2	62.2	26.6
PH08	08/03/2023	0.5	<0.00202	<0.00403	<49.9	103	<49.9	103	103	106
PH08	08/03/2023	1	<0.00199	<0.00398	<50.4	90.6	<50.4	90.6	90.6	52.0
PH09	08/03/2023	0.5	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	39.2
PH09	08/03/2023	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	65.8
PH10	08/03/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	65.6
PH10	08/03/2023	1	<0.00202	<0.00403	<50.0	50.6	<50.0	50.6	50.6	62.4
PH11	08/03/2023	0.5	<0.00199	<0.00398	<50.3	540	<50.3	540	540	356
PH11	08/03/2023	6	<0.00198	<0.00396	<50.1	59.8	<50.1	59.8	59.8	229

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/3/2023 1:32:05 PM Revision 1

JOB DESCRIPTION

WEU Seale Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-5038-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

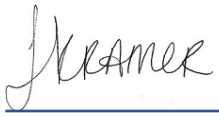
Eurofins Carlsbad

Job Notes

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

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

Authorization



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10/3/2023 1:32:05 PM
Revision 1

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

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Laboratory Job ID: 890-5038-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Job ID: 890-5038-1
SDG: Lea County NM

Job ID: 890-5038-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5038-1

REVISION

The report being provided is a revision of the original report sent on 8/21/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 8/4/2023 4:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: PH01 (890-5038-2) and PH04 (890-5038-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH06 (890-5038-11) and PH07 (890-5038-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-59927 and analytical batch 880-59940 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-60005/95), (LCS 880-60013/1-A), (MB 880-59996/5-A) and (MB 880-60013/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH11 (890-5038-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60005 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-60005/64).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60321 and analytical batch 880-60520 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60520/31), (CCV 880-60520/47) and (CCV 880-60520/58). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Job ID: 890-5038-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60323 and analytical batch 880-60522 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH07 (890-5038-13), PH07 (890-5038-14) and PH09 (890-5038-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60522/31), (CCV 880-60522/47) and (CCV 880-60522/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-60323 and analytical batch 880-60522 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59539 and analytical batch 880-59748 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH01
Date Collected: 08/03/23 15:00
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-1
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		08/11/23 10:59	08/11/23 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:52*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:52*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/15/23 16:37*	*08/19/23 04:43*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/15/23 16:37*	*08/19/23 04:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.9**		5.02		mg/Kg			08/09/23 20:20	1

Client Sample ID: PH01
Date Collected: 08/03/23 15:05
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-2
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		08/11/23 10:59	08/11/23 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH01

Date Collected: 08/03/23 15:05
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-2

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:13*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 17:13*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 11:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1
Total TPH	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/15/23 16:37*	*08/19/23 05:04*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/15/23 16:37*	*08/19/23 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.4**		5.00		mg/Kg			08/09/23 20:37	1

Client Sample ID: PH02

Date Collected: 08/03/23 15:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:33*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:33*	*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			08/14/23 14:44	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH02
Date Collected: 08/03/23 15:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.4**		50.2		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1
Diesel Range Organics (Over C10-C28)	**58.4**	**F1**	50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1
Total TPH	**58.4**		50.2		mg/Kg		08/15/23 16:42	08/18/23 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/15/23 16:42*	*08/18/23 20:50*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/15/23 16:42*	*08/18/23 20:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.6**		4.98		mg/Kg			08/09/23 20:42	1

Client Sample ID: PH02
Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:54*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/11/23 10:59*	*08/11/23 17:54*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**75.3**		49.8		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Diesel Range Organics (Over C10-C28)	**75.3**		49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH02

Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.3		49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:12*	*1*
o-Terphenyl	*81*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.9		4.99		mg/Kg			08/09/23 20:48	1

Client Sample ID: PH03

Date Collected: 08/03/23 15:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:15*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Total TPH	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:06*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:06*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH03
Date Collected: 08/03/23 15:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-5
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		25.1		mg/Kg			08/09/23 20:54	5

Client Sample ID: PH03
Date Collected: 08/03/23 15:25
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:35*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:35*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:29*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		50.4		mg/Kg			08/09/23 21:11	10

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH04
Date Collected: 08/03/23 15:30
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:56*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/11/23 10:59*	*08/11/23 18:56*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:51*	*1*
o-Terphenyl	*107*		*70 - 130*	*08/15/23 16:42*	*08/19/23 02:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2060**		101		mg/Kg			08/09/23 21:17	20

Client Sample ID: PH04
Date Collected: 08/03/23 15:35
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-8
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		08/11/23 10:59	08/11/23 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/11/23 10:59	08/11/23 19:16	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 08/03/23 15:35
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-8

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:16*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 19:16*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:13*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**546**		24.8		mg/Kg			08/09/23 21:22	5

Client Sample ID: PH05

Date Collected: 08/03/23 15:40
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:37*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:37*	*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			08/14/23 14:44	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH05
Date Collected: 08/03/23 15:40
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**518**		49.8		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Diesel Range Organics (Over C10-C28)	**518**		49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Total TPH	**518**		49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:19*	*1*
o-Terphenyl	*113*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**359**		4.95		mg/Kg			08/09/23 21:28	1

Client Sample ID: PH05
Date Collected: 08/03/23 15:45
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:57*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/11/23 10:59*	*08/11/23 19:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**209**		50.2		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1
Diesel Range Organics (Over C10-C28)	**209**		50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH05

Date Collected: 08/03/23 15:45
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5038-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**209**		50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:04*	*1*
o-Terphenyl	*117*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1240**		4.97		mg/Kg			08/09/23 21:33	1

Client Sample ID: PH06

Date Collected: 08/03/23 15:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-11
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		08/11/23 10:59	08/11/23 21:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*08/11/23 10:59*	*08/11/23 21:21*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 21:21*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**285**		50.5		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Diesel Range Organics (Over C10-C28)	**285**		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Total TPH	**285**		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:41*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/15/23 16:42*	*08/18/23 22:41*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH06
Date Collected: 08/03/23 15:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-11
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**	**F1**	5.04		mg/Kg			08/09/23 21:39	1

Client Sample ID: PH06
Date Collected: 08/03/23 16:00
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/11/23 10:59*	*08/11/23 21:41*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/11/23 10:59*	*08/11/23 21:41*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**151**		49.6		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Diesel Range Organics (Over C10-C28)	**151**		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Total TPH	**151**		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:34*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/15/23 16:42*	*08/19/23 00:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		4.98		mg/Kg			08/09/23 21:56	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH07
Date Collected: 08/03/23 16:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:02*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*08/11/23 10:59*	*08/11/23 22:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**80.8**		49.5		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1
Diesel Range Organics (Over C10-C28)	**80.8**		49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1
Total TPH	**80.8**		49.5		mg/Kg		08/15/23 16:42	08/19/23 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 00:57*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 00:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.8**		4.99		mg/Kg			08/09/23 22:02	1

Client Sample ID: PH07
Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:22	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH07

Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-14

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:22*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:22*	*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			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.2**		50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1
Diesel Range Organics (Over C10-C28)	**62.2**		50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1
Total TPH	**62.2**		50.4		mg/Kg		08/15/23 16:42	08/19/23 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*63*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 01:43*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 01:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.6**		5.01		mg/Kg			08/09/23 22:19	1

Client Sample ID: PH08

Date Collected: 08/03/23 16:30
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-15

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		08/11/23 10:59	08/11/23 22:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:43*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/11/23 10:59*	*08/11/23 22:43*	*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			08/14/23 14:44	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH08
Date Collected: 08/03/23 16:30
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**103**		49.9		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Diesel Range Organics (Over C10-C28)	**103**		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Total TPH	**103**		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:26*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		5.00		mg/Kg			08/09/23 22:24	1

Client Sample ID: PH08
Date Collected: 08/03/23 16:40
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-16
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		08/11/23 10:59	08/11/23 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:04*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**90.6**		50.4		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Diesel Range Organics (Over C10-C28)	**90.6**		50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH08

Date Collected: 08/03/23 16:40
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**90.6**		50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:49*	*1*
o-Terphenyl	*78*		*70 - 130*	*08/15/23 16:42*	*08/18/23 23:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.0**		5.00		mg/Kg			08/09/23 22:30	1

Client Sample ID: PH09

Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:24*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:35*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/15/23 16:42*	*08/19/23 03:35*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH09
Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-17
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		4.97		mg/Kg			08/09/23 22:36	1

Client Sample ID: PH09
Date Collected: 08/03/23 17:00
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:45*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/11/23 10:59*	*08/11/23 23:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 03:59*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*08/15/23 16:42*	*08/19/23 03:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.8		4.97		mg/Kg			08/09/23 22:41	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH10
Date Collected: 08/03/23 17:10
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:21*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.6**		5.05		mg/Kg			08/09/23 22:47	1

Client Sample ID: PH10
Date Collected: 08/03/23 17:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-20
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		08/11/23 10:59	08/12/23 00:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH10

Date Collected: 08/03/23 17:20
Date Received: 08/04/23 16:05
Sample Depth: 1

Lab Sample ID: 890-5038-20

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:26*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/11/23 10:59*	*08/12/23 00:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.6**		50.0		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1
Diesel Range Organics (Over C10-C28)	**50.6**		50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1
Total TPH	**50.6**		50.0		mg/Kg		08/15/23 16:42	08/19/23 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:43*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/15/23 16:42*	*08/19/23 04:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.4**		5.01		mg/Kg			08/09/23 22:53	1

Client Sample ID: PH11

Date Collected: 08/03/23 17:25
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-21

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		08/12/23 14:59	08/14/23 07:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/12/23 14:59*	*08/14/23 07:22*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/12/23 14:59*	*08/14/23 07:22*	*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			08/14/23 15:21	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH11
Date Collected: 08/03/23 17:25
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5038-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**540**		50.3		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Diesel Range Organics (Over C10-C28)	**540**		50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Total TPH	**540**		50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/15/23 16:42*	*08/18/23 21:57*	*1*
o-Terphenyl	*112*		*70 - 130*	*08/15/23 16:42*	*08/18/23 21:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		4.97		mg/Kg			08/09/23 18:55	1

Client Sample ID: PH11
Date Collected: 08/03/23 17:35
Date Received: 08/04/23 16:05
Sample Depth: 6

Lab Sample ID: 890-5038-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 07:48*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/12/23 14:59*	*08/14/23 07:48*	*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			08/14/23 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**59.8**		50.1		mg/Kg			08/21/23 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Diesel Range Organics (Over C10-C28)	**59.8**		50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH11

Date Collected: 08/03/23 17:35
Date Received: 08/04/23 16:05
Sample Depth: 6

Lab Sample ID: 890-5038-22

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.8		50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*08/15/23 16:42*	*08/19/23 05:04*	*1*
o-Terphenyl	*123*		*70 - 130*	*08/15/23 16:42*	*08/19/23 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		5.04		mg/Kg			08/09/23 19:02	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-5038-1	PH01	76	72
890-5038-1 MS	PH01	114	112
890-5038-1 MSD	PH01	105	119
890-5038-2	PH01	87	62 S1-
890-5038-3	PH02	80	79
890-5038-4	PH02	87	77
890-5038-5	PH03	85	75
890-5038-6	PH03	85	83
890-5038-7	PH04	78	95
890-5038-8	PH04	87	63 S1-
890-5038-9	PH05	85	77
890-5038-10	PH05	82	74
890-5038-11	PH06	83	64 S1-
890-5038-12	PH06	112	84
890-5038-13	PH07	88	59 S1-
890-5038-14	PH07	77	80
890-5038-15	PH08	78	72
890-5038-16	PH08	89	85
890-5038-17	PH09	91	76
890-5038-18	PH09	89	80
890-5038-19	PH10	81	93
890-5038-20	PH10	87	86
890-5038-21	PH11	101	91
890-5038-22	PH11	131 S1+	87
LCS 880-59927/1-A	Lab Control Sample	107	111
LCS 880-60013/1-A	Lab Control Sample	92	69 S1-
LCSD 880-59927/2-A	Lab Control Sample Dup	110	119
LCSD 880-60013/2-A	Lab Control Sample Dup	96	90
MB 880-59927/5-A	Method Blank	73	78
MB 880-59996/5-A	Method Blank	53 S1-	70
MB 880-60013/5-A	Method Blank	54 S1-	81

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-5038-1	PH01	109	88
890-5038-2	PH01	112	91
890-5038-3	PH02	93	97
890-5038-3 MS	PH02	96	93
890-5038-3 MSD	PH02	89	87
890-5038-4	PH02	82	81
890-5038-5	PH03	83	88
890-5038-6	PH03	84	89

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Job ID: 890-5038-1
Project/Site: WEU Seale Battery
SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-5038-7	PH04	101	107
890-5038-8	PH04	88	94
890-5038-9	PH05	106	113
890-5038-10	PH05	111	117
890-5038-11	PH06	105	110
890-5038-12	PH06	100	104
890-5038-13	PH07	67 S1-	62 S1-
890-5038-14	PH07	63 S1-	63 S1-
890-5038-15	PH08	97	98
890-5038-16	PH08	75	78
890-5038-17	PH09	94	98
890-5038-18	PH09	61 S1-	59 S1-
890-5038-19	PH10	107	110
890-5038-20	PH10	120	121
890-5038-21	PH11	106	112
890-5038-22	PH11	117	123
LCS 880-60321/2-A	Lab Control Sample	121	103
LCS 880-60323/2-A	Lab Control Sample	105	116
LCSD 880-60321/3-A	Lab Control Sample Dup	125	104
LCSD 880-60323/3-A	Lab Control Sample Dup	108	121
MB 880-60321/1-A	Method Blank	157 S1+	130
MB 880-60323/1-A	Method Blank	128	136 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59927/5-A
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 16:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:30*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/11/23 10:59*	*08/11/23 16:30*	*1*

Lab Sample ID: LCS 880-59927/1-A
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		101	70 - 130
Toluene	0.100	0.1051		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.1958		mg/Kg		98	70 - 130
o-Xylene	0.100	0.1095		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-59927/2-A
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1027		mg/Kg		103	70 - 130	2	35
Toluene	0.100	0.1076		mg/Kg		108	70 - 130	2	35
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2328		mg/Kg		116	70 - 130	17	35
o-Xylene	0.100	0.1136		mg/Kg		114	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: 890-5038-1 MS
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1026		mg/Kg		102	70 - 130
Toluene	<0.00199	U	0.0998	0.1070		mg/Kg		107	70 - 130

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: 890-5038-1 MS
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.1056		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2283		mg/Kg		114	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1110		mg/Kg		111	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-5038-1 MSD
Matrix: Solid
Analysis Batch: 59940

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 59927

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1035		mg/Kg		102	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.1068		mg/Kg		107	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.100	0.1019		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2198		mg/Kg		110	70 - 130	4	35
o-Xylene	<0.00199	U	0.100	0.1071		mg/Kg		107	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: MB 880-59996/5-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 08:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*53*	*S1-*	*70 - 130*	*08/11/23 17:43*	*08/13/23 08:33*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*08/11/23 17:43*	*08/13/23 08:33*	*1*

Lab Sample ID: MB 880-60013/5-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/13/23 22:02	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60013/5-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/13/23 22:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*	*S1-*	*70 - 130*	*08/12/23 14:59*	*08/13/23 22:02*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/12/23 14:59*	*08/13/23 22:02*	*1*

Lab Sample ID: LCS 880-60013/1-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1140		mg/Kg		114	70 - 130
Toluene	0.100	0.09907		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1180		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	0.200	0.2295		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1158		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-60013/2-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1184		mg/Kg		118	70 - 130	4	35
Toluene	0.100	0.1239		mg/Kg		124	70 - 130	22	35
Ethylbenzene	0.100	0.1276		mg/Kg		128	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2443		mg/Kg		122	70 - 130	6	35
o-Xylene	0.100	0.1218		mg/Kg		122	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: MB 880-60321/1-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60321

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		08/15/23 16:37	08/18/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60321/1-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*157*	*S1+*	*70 - 130*	*08/15/23 16:37*	*08/18/23 19:44*	*1*
o-Terphenyl	*130*		*70 - 130*	*08/15/23 16:37*	*08/18/23 19:44*	*1*

Lab Sample ID: LCS 880-60321/2-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1166		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	932.6		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-60321/3-A
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60321

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1087		mg/Kg		109	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	859.8		mg/Kg		86	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*125*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: MB 880-60323/1-A
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60323

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		08/15/23 16:42	08/18/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*08/15/23 16:42*	*08/18/23 19:44*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*08/15/23 16:42*	*08/18/23 19:44*	*1*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-60323/2-A
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60323

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	950.4		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	877.1		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: LCSD 880-60323/3-A
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	911.0		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	864.8		mg/Kg		86	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: 890-5038-3 MS
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: PH02
Prep Type: Total/NA
Prep Batch: 60323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1063		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	58.4	F1	1010	768.3		mg/Kg		70	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 890-5038-3 MSD
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: PH02
Prep Type: Total/NA
Prep Batch: 60323

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	<50.2	U	1010	1003		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	58.4	F1	1010	726.6	F1	mg/Kg		66	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

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

Lab Sample ID: 890-5038-3 MSD
Matrix: Solid
Analysis Batch: 60522

Client Sample ID: PH02
Prep Type: Total/NA
Prep Batch: 60323

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59539/1-A
Matrix: Solid
Analysis Batch: 59748

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			08/09/23 20:02	1

Lab Sample ID: LCS 880-59539/2-A
Matrix: Solid
Analysis Batch: 59748

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.3		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-59539/3-A
Matrix: Solid
Analysis Batch: 59748

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	230.0		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 890-5038-1 MS
Matrix: Solid
Analysis Batch: 59748

Client Sample ID: PH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	34.9		251	309.5		mg/Kg		109	90 - 110		

Lab Sample ID: 890-5038-1 MSD
Matrix: Solid
Analysis Batch: 59748

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	34.9		251	305.9		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 890-5038-11 MS
Matrix: Solid
Analysis Batch: 59748

Client Sample ID: PH06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	123	F1	252	302.9	F1	mg/Kg		71	90 - 110		

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5038-11 MSD
Matrix: Solid
Analysis Batch: 59748

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	123	F1	252	300.4	F1	mg/Kg		70	90 - 110	1	20

Lab Sample ID: MB 880-59538/1-A
Matrix: Solid
Analysis Batch: 59750

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			08/09/23 15:55	1

Lab Sample ID: LCS 880-59538/2-A
Matrix: Solid
Analysis Batch: 59750

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.6		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-59538/3-A
Matrix: Solid
Analysis Batch: 59750

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	243.4		mg/Kg		97	90 - 110	3	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC VOA

Prep Batch: 59927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	5035	
890-5038-2	PH01	Total/NA	Solid	5035	
890-5038-3	PH02	Total/NA	Solid	5035	
890-5038-4	PH02	Total/NA	Solid	5035	
890-5038-5	PH03	Total/NA	Solid	5035	
890-5038-6	PH03	Total/NA	Solid	5035	
890-5038-7	PH04	Total/NA	Solid	5035	
890-5038-8	PH04	Total/NA	Solid	5035	
890-5038-9	PH05	Total/NA	Solid	5035	
890-5038-10	PH05	Total/NA	Solid	5035	
890-5038-11	PH06	Total/NA	Solid	5035	
890-5038-12	PH06	Total/NA	Solid	5035	
890-5038-13	PH07	Total/NA	Solid	5035	
890-5038-14	PH07	Total/NA	Solid	5035	
890-5038-15	PH08	Total/NA	Solid	5035	
890-5038-16	PH08	Total/NA	Solid	5035	
890-5038-17	PH09	Total/NA	Solid	5035	
890-5038-18	PH09	Total/NA	Solid	5035	
890-5038-19	PH10	Total/NA	Solid	5035	
890-5038-20	PH10	Total/NA	Solid	5035	
MB 880-59927/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59927/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59927/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5038-1 MS	PH01	Total/NA	Solid	5035	
890-5038-1 MSD	PH01	Total/NA	Solid	5035	

Analysis Batch: 59940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8021B	59927
890-5038-2	PH01	Total/NA	Solid	8021B	59927
890-5038-3	PH02	Total/NA	Solid	8021B	59927
890-5038-4	PH02	Total/NA	Solid	8021B	59927
890-5038-5	PH03	Total/NA	Solid	8021B	59927
890-5038-6	PH03	Total/NA	Solid	8021B	59927
890-5038-7	PH04	Total/NA	Solid	8021B	59927
890-5038-8	PH04	Total/NA	Solid	8021B	59927
890-5038-9	PH05	Total/NA	Solid	8021B	59927
890-5038-10	PH05	Total/NA	Solid	8021B	59927
890-5038-11	PH06	Total/NA	Solid	8021B	59927
890-5038-12	PH06	Total/NA	Solid	8021B	59927
890-5038-13	PH07	Total/NA	Solid	8021B	59927
890-5038-14	PH07	Total/NA	Solid	8021B	59927
890-5038-15	PH08	Total/NA	Solid	8021B	59927
890-5038-16	PH08	Total/NA	Solid	8021B	59927
890-5038-17	PH09	Total/NA	Solid	8021B	59927
890-5038-18	PH09	Total/NA	Solid	8021B	59927
890-5038-19	PH10	Total/NA	Solid	8021B	59927
890-5038-20	PH10	Total/NA	Solid	8021B	59927
MB 880-59927/5-A	Method Blank	Total/NA	Solid	8021B	59927
LCS 880-59927/1-A	Lab Control Sample	Total/NA	Solid	8021B	59927
LCSD 880-59927/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59927

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 59940 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1 MS	PH01	Total/NA	Solid	8021B	59927
890-5038-1 MSD	PH01	Total/NA	Solid	8021B	59927

Prep Batch: 59996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59996/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 60005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Total/NA	Solid	8021B	60013
890-5038-22	PH11	Total/NA	Solid	8021B	60013
MB 880-59996/5-A	Method Blank	Total/NA	Solid	8021B	59996
MB 880-60013/5-A	Method Blank	Total/NA	Solid	8021B	60013
LCS 880-60013/1-A	Lab Control Sample	Total/NA	Solid	8021B	60013
LCSD 880-60013/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60013

Prep Batch: 60013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Total/NA	Solid	5035	
890-5038-22	PH11	Total/NA	Solid	5035	
MB 880-60013/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60013/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60013/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 60118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	Total BTEX	
890-5038-2	PH01	Total/NA	Solid	Total BTEX	
890-5038-3	PH02	Total/NA	Solid	Total BTEX	
890-5038-4	PH02	Total/NA	Solid	Total BTEX	
890-5038-5	PH03	Total/NA	Solid	Total BTEX	
890-5038-6	PH03	Total/NA	Solid	Total BTEX	
890-5038-7	PH04	Total/NA	Solid	Total BTEX	
890-5038-8	PH04	Total/NA	Solid	Total BTEX	
890-5038-9	PH05	Total/NA	Solid	Total BTEX	
890-5038-10	PH05	Total/NA	Solid	Total BTEX	
890-5038-11	PH06	Total/NA	Solid	Total BTEX	
890-5038-12	PH06	Total/NA	Solid	Total BTEX	
890-5038-13	PH07	Total/NA	Solid	Total BTEX	
890-5038-14	PH07	Total/NA	Solid	Total BTEX	
890-5038-15	PH08	Total/NA	Solid	Total BTEX	
890-5038-16	PH08	Total/NA	Solid	Total BTEX	
890-5038-17	PH09	Total/NA	Solid	Total BTEX	
890-5038-18	PH09	Total/NA	Solid	Total BTEX	
890-5038-19	PH10	Total/NA	Solid	Total BTEX	
890-5038-20	PH10	Total/NA	Solid	Total BTEX	
890-5038-21	PH11	Total/NA	Solid	Total BTEX	
890-5038-22	PH11	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 60321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8015NM Prep	
890-5038-2	PH01	Total/NA	Solid	8015NM Prep	
MB 880-60321/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60321/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 60323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-3	PH02	Total/NA	Solid	8015NM Prep	
890-5038-4	PH02	Total/NA	Solid	8015NM Prep	
890-5038-5	PH03	Total/NA	Solid	8015NM Prep	
890-5038-6	PH03	Total/NA	Solid	8015NM Prep	
890-5038-7	PH04	Total/NA	Solid	8015NM Prep	
890-5038-8	PH04	Total/NA	Solid	8015NM Prep	
890-5038-9	PH05	Total/NA	Solid	8015NM Prep	
890-5038-10	PH05	Total/NA	Solid	8015NM Prep	
890-5038-11	PH06	Total/NA	Solid	8015NM Prep	
890-5038-12	PH06	Total/NA	Solid	8015NM Prep	
890-5038-13	PH07	Total/NA	Solid	8015NM Prep	
890-5038-14	PH07	Total/NA	Solid	8015NM Prep	
890-5038-15	PH08	Total/NA	Solid	8015NM Prep	
890-5038-16	PH08	Total/NA	Solid	8015NM Prep	
890-5038-17	PH09	Total/NA	Solid	8015NM Prep	
890-5038-18	PH09	Total/NA	Solid	8015NM Prep	
890-5038-19	PH10	Total/NA	Solid	8015NM Prep	
890-5038-20	PH10	Total/NA	Solid	8015NM Prep	
890-5038-21	PH11	Total/NA	Solid	8015NM Prep	
890-5038-22	PH11	Total/NA	Solid	8015NM Prep	
MB 880-60323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5038-3 MS	PH02	Total/NA	Solid	8015NM Prep	
890-5038-3 MSD	PH02	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8015B NM	60321
890-5038-2	PH01	Total/NA	Solid	8015B NM	60321
MB 880-60321/1-A	Method Blank	Total/NA	Solid	8015B NM	60321
LCS 880-60321/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60321
LCSD 880-60321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60321

Analysis Batch: 60522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-3	PH02	Total/NA	Solid	8015B NM	60323
890-5038-4	PH02	Total/NA	Solid	8015B NM	60323
890-5038-5	PH03	Total/NA	Solid	8015B NM	60323
890-5038-6	PH03	Total/NA	Solid	8015B NM	60323
890-5038-7	PH04	Total/NA	Solid	8015B NM	60323
890-5038-8	PH04	Total/NA	Solid	8015B NM	60323
890-5038-9	PH05	Total/NA	Solid	8015B NM	60323

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 60522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-10	PH05	Total/NA	Solid	8015B NM	60323
890-5038-11	PH06	Total/NA	Solid	8015B NM	60323
890-5038-12	PH06	Total/NA	Solid	8015B NM	60323
890-5038-13	PH07	Total/NA	Solid	8015B NM	60323
890-5038-14	PH07	Total/NA	Solid	8015B NM	60323
890-5038-15	PH08	Total/NA	Solid	8015B NM	60323
890-5038-16	PH08	Total/NA	Solid	8015B NM	60323
890-5038-17	PH09	Total/NA	Solid	8015B NM	60323
890-5038-18	PH09	Total/NA	Solid	8015B NM	60323
890-5038-19	PH10	Total/NA	Solid	8015B NM	60323
890-5038-20	PH10	Total/NA	Solid	8015B NM	60323
890-5038-21	PH11	Total/NA	Solid	8015B NM	60323
890-5038-22	PH11	Total/NA	Solid	8015B NM	60323
MB 880-60323/1-A	Method Blank	Total/NA	Solid	8015B NM	60323
LCS 880-60323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60323
LCSD 880-60323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60323
890-5038-3 MS	PH02	Total/NA	Solid	8015B NM	60323
890-5038-3 MSD	PH02	Total/NA	Solid	8015B NM	60323

Analysis Batch: 60713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Total/NA	Solid	8015 NM	
890-5038-2	PH01	Total/NA	Solid	8015 NM	
890-5038-3	PH02	Total/NA	Solid	8015 NM	
890-5038-4	PH02	Total/NA	Solid	8015 NM	
890-5038-5	PH03	Total/NA	Solid	8015 NM	
890-5038-6	PH03	Total/NA	Solid	8015 NM	
890-5038-7	PH04	Total/NA	Solid	8015 NM	
890-5038-8	PH04	Total/NA	Solid	8015 NM	
890-5038-9	PH05	Total/NA	Solid	8015 NM	
890-5038-10	PH05	Total/NA	Solid	8015 NM	
890-5038-11	PH06	Total/NA	Solid	8015 NM	
890-5038-12	PH06	Total/NA	Solid	8015 NM	
890-5038-13	PH07	Total/NA	Solid	8015 NM	
890-5038-14	PH07	Total/NA	Solid	8015 NM	
890-5038-15	PH08	Total/NA	Solid	8015 NM	
890-5038-16	PH08	Total/NA	Solid	8015 NM	
890-5038-17	PH09	Total/NA	Solid	8015 NM	
890-5038-18	PH09	Total/NA	Solid	8015 NM	
890-5038-19	PH10	Total/NA	Solid	8015 NM	
890-5038-20	PH10	Total/NA	Solid	8015 NM	
890-5038-21	PH11	Total/NA	Solid	8015 NM	
890-5038-22	PH11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Soluble	Solid	DI Leach	
890-5038-22	PH11	Soluble	Solid	DI Leach	
MB 880-59538/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 59538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-59538/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59538/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 59539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Soluble	Solid	DI Leach	
890-5038-2	PH01	Soluble	Solid	DI Leach	
890-5038-3	PH02	Soluble	Solid	DI Leach	
890-5038-4	PH02	Soluble	Solid	DI Leach	
890-5038-5	PH03	Soluble	Solid	DI Leach	
890-5038-6	PH03	Soluble	Solid	DI Leach	
890-5038-7	PH04	Soluble	Solid	DI Leach	
890-5038-8	PH04	Soluble	Solid	DI Leach	
890-5038-9	PH05	Soluble	Solid	DI Leach	
890-5038-10	PH05	Soluble	Solid	DI Leach	
890-5038-11	PH06	Soluble	Solid	DI Leach	
890-5038-12	PH06	Soluble	Solid	DI Leach	
890-5038-13	PH07	Soluble	Solid	DI Leach	
890-5038-14	PH07	Soluble	Solid	DI Leach	
890-5038-15	PH08	Soluble	Solid	DI Leach	
890-5038-16	PH08	Soluble	Solid	DI Leach	
890-5038-17	PH09	Soluble	Solid	DI Leach	
890-5038-18	PH09	Soluble	Solid	DI Leach	
890-5038-19	PH10	Soluble	Solid	DI Leach	
890-5038-20	PH10	Soluble	Solid	DI Leach	
MB 880-59539/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59539/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59539/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5038-1 MS	PH01	Soluble	Solid	DI Leach	
890-5038-1 MSD	PH01	Soluble	Solid	DI Leach	
890-5038-11 MS	PH06	Soluble	Solid	DI Leach	
890-5038-11 MSD	PH06	Soluble	Solid	DI Leach	

Analysis Batch: 59748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-1	PH01	Soluble	Solid	300.0	59539
890-5038-2	PH01	Soluble	Solid	300.0	59539
890-5038-3	PH02	Soluble	Solid	300.0	59539
890-5038-4	PH02	Soluble	Solid	300.0	59539
890-5038-5	PH03	Soluble	Solid	300.0	59539
890-5038-6	PH03	Soluble	Solid	300.0	59539
890-5038-7	PH04	Soluble	Solid	300.0	59539
890-5038-8	PH04	Soluble	Solid	300.0	59539
890-5038-9	PH05	Soluble	Solid	300.0	59539
890-5038-10	PH05	Soluble	Solid	300.0	59539
890-5038-11	PH06	Soluble	Solid	300.0	59539
890-5038-12	PH06	Soluble	Solid	300.0	59539
890-5038-13	PH07	Soluble	Solid	300.0	59539
890-5038-14	PH07	Soluble	Solid	300.0	59539
890-5038-15	PH08	Soluble	Solid	300.0	59539
890-5038-16	PH08	Soluble	Solid	300.0	59539

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 59748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-17	PH09	Soluble	Solid	300.0	59539
890-5038-18	PH09	Soluble	Solid	300.0	59539
890-5038-19	PH10	Soluble	Solid	300.0	59539
890-5038-20	PH10	Soluble	Solid	300.0	59539
MB 880-59539/1-A	Method Blank	Soluble	Solid	300.0	59539
LCS 880-59539/2-A	Lab Control Sample	Soluble	Solid	300.0	59539
LCSD 880-59539/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59539
890-5038-1 MS	PH01	Soluble	Solid	300.0	59539
890-5038-1 MSD	PH01	Soluble	Solid	300.0	59539
890-5038-11 MS	PH06	Soluble	Solid	300.0	59539
890-5038-11 MSD	PH06	Soluble	Solid	300.0	59539

Analysis Batch: 59750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5038-21	PH11	Soluble	Solid	300.0	59538
890-5038-22	PH11	Soluble	Solid	300.0	59538
MB 880-59538/1-A	Method Blank	Soluble	Solid	300.0	59538
LCS 880-59538/2-A	Lab Control Sample	Soluble	Solid	300.0	59538
LCSD 880-59538/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59538

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH01
Date Collected: 08/03/23 15:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 16:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:20	CH	EET MID

Client Sample ID: PH01
Date Collected: 08/03/23 15:05
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-2
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			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:37	CH	EET MID

Client Sample ID: PH02
Date Collected: 08/03/23 15:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 20:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:42	CH	EET MID

Client Sample ID: PH02
Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-4
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			5.00 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH02
Date Collected: 08/03/23 15:15
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-4
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			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:48	CH	EET MID

Client Sample ID: PH03
Date Collected: 08/03/23 15:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-5
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			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 02:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		5			59748	08/09/23 20:54	CH	EET MID

Client Sample ID: PH03
Date Collected: 08/03/23 15:25
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 02:29	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		10			59748	08/09/23 21:11	CH	EET MID

Client Sample ID: PH04
Date Collected: 08/03/23 15:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-7
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	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 02:51	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH04
Date Collected: 08/03/23 15:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		20			59748	08/09/23 21:17	CH	EET MID

Client Sample ID: PH04
Date Collected: 08/03/23 15:35
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-8
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			4.99 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		5			59748	08/09/23 21:22	CH	EET MID

Client Sample ID: PH05
Date Collected: 08/03/23 15:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 22:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:28	CH	EET MID

Client Sample ID: PH05
Date Collected: 08/03/23 15:45
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-10
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			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:33	CH	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH06
Date Collected: 08/03/23 15:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 21:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:39	CH	EET MID

Client Sample ID: PH06
Date Collected: 08/03/23 16:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 21:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:34	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:56	CH	EET MID

Client Sample ID: PH07
Date Collected: 08/03/23 16:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:02	CH	EET MID

Client Sample ID: PH07
Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH07
Date Collected: 08/03/23 16:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-14
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			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:19	CH	EET MID

Client Sample ID: PH08
Date Collected: 08/03/23 16:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-15
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			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:24	CH	EET MID

Client Sample ID: PH08
Date Collected: 08/03/23 16:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-16
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			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:30	CH	EET MID

Client Sample ID: PH09
Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:35	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH09
Date Collected: 08/03/23 16:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:36	CH	EET MID

Client Sample ID: PH09
Date Collected: 08/03/23 17:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-18
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			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:41	CH	EET MID

Client Sample ID: PH10
Date Collected: 08/03/23 17:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-19
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			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:47	CH	EET MID

Client Sample ID: PH10
Date Collected: 08/03/23 17:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-20
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			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:53	CH	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Client Sample ID: PH11
Date Collected: 08/03/23 17:25
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-21
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			5.03 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 21:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:55	CH	EET MID

Client Sample ID: PH11
Date Collected: 08/03/23 17:35
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-22
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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 19:02	CH	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
Job ID: 890-5038-1
Project/Site: WEU Seale Battery
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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU Seale Battery

Job ID: 890-5038-1
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 Seale Battery

Job ID: 890-5038-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5038-1	PH01	Solid	08/03/23 15:00	08/04/23 16:05	0.5
890-5038-2	PH01	Solid	08/03/23 15:05	08/04/23 16:05	2
890-5038-3	PH02	Solid	08/03/23 15:10	08/04/23 16:05	0.5
890-5038-4	PH02	Solid	08/03/23 15:15	08/04/23 16:05	2
890-5038-5	PH03	Solid	08/03/23 15:20	08/04/23 16:05	0.5
890-5038-6	PH03	Solid	08/03/23 15:25	08/04/23 16:05	2
890-5038-7	PH04	Solid	08/03/23 15:30	08/04/23 16:05	0.5
890-5038-8	PH04	Solid	08/03/23 15:35	08/04/23 16:05	2
890-5038-9	PH05	Solid	08/03/23 15:40	08/04/23 16:05	0.5
890-5038-10	PH05	Solid	08/03/23 15:45	08/04/23 16:05	2
890-5038-11	PH06	Solid	08/03/23 15:50	08/04/23 16:05	0.5
890-5038-12	PH06	Solid	08/03/23 16:00	08/04/23 16:05	1
890-5038-13	PH07	Solid	08/03/23 16:10	08/04/23 16:05	0.5
890-5038-14	PH07	Solid	08/03/23 16:20	08/04/23 16:05	1
890-5038-15	PH08	Solid	08/03/23 16:30	08/04/23 16:05	0.5
890-5038-16	PH08	Solid	08/03/23 16:40	08/04/23 16:05	1
890-5038-17	PH09	Solid	08/03/23 16:50	08/04/23 16:05	0.5
890-5038-18	PH09	Solid	08/03/23 17:00	08/04/23 16:05	1
890-5038-19	PH10	Solid	08/03/23 17:10	08/04/23 16:05	0.5
890-5038-20	PH10	Solid	08/03/23 17:20	08/04/23 16:05	1
890-5038-21	PH11	Solid	08/03/23 17:25	08/04/23 16:05	0.5
890-5038-22	PH11	Solid	08/03/23 17:35	08/04/23 16:05	6

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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 3

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@etechevn.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 Seale Battery	Turn Around	
Project Number:	18343	☑ 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:	mm007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.6

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

890-5038 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH01	s	8/3/2023	15:00	0.5'	G	1		X	X	X	Incident ID:
PH01	s	8/3/2023	15:05	2'	G	1		X	X	X	nAPP2222254057
PH02	s	8/3/2023	15:10	0.5'	G	1		X	X	X	
PH02	s	8/3/2023	15:15	2'	G	1		X	X	X	
PH03	s	8/3/2023	15:20	0.5'	G	1		X	X	X	
PH03	s	8/3/2023	15:25	2'	G	1		X	X	X	
PH04	s	8/3/2023	15:30	0.5'	G	1		X	X	X	
PH04	s	8/3/2023	15:35	2'	G	1		X	X	X	
PH05	s	8/3/2023	15:40	0.5'	G	1		X	X	X	
PH05	s	8/3/2023	15:45	2'	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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8.4.23 1605	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

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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 2 of 3

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@etechevn.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 Seale Battery	Turn Around	
Project Number:	18343	☑ 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	Pres. Code	Parameters: BTEX - EPA METHOD 6021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH06	s	8/3/2023	15:50	0.5'	G	1		X	X	X	Incident ID:
PH06	s	8/3/2023	16:00	1'	G	1		X	X	X	nAPP2222254057
PH07	s	8/3/2023	16:10	0.5'	G	1		X	X	X	
PH07	s	8/3/2023	16:20	1'	G	1		X	X	X	
PH08	s	8/3/2023	16:30	0.5'	G	1		X	X	X	
PH08	s	8/3/2023	16:40	1'	G	1		X	X	X	
PH09	s	8/3/2023	16:50	0.5'	G	1		X	X	X	
PH09	s	8/3/2023	17:00	1'	G	1		X	X	X	
PH10	s	8/3/2023	17:10	0.5'	G	1		X	X	X	
PH10	s	8/3/2023	17:20	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		8.4.23 1600	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

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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 3 of 3

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@etechevn.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 Seale Battery	Turn Around	
Project Number:	18343	☑ 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_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0	Sample Comments
PH11	s	8/3/2023	17:25	0.5'	G	1		X	X	X	Incident ID:
PH11	s	8/3/2023	17:35	6'	G	1		X	X	X	nAPP2222254057

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		8.4.23 1605	4		
3			6		
5					

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5038-1
SDG Number: Lea County NM

Login Number: 5038
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: 890-5038-1
SDG Number: Lea County NM

Login Number: 5038
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 08/08/23 10:38 AM

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

APPENDIX G

NMOCD Notifications

From: Wells, Shelly, EMNRD
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/4 - 8/5/23
Date: Monday, July 31, 2023 4:48:40 PM
Attachments: image001.png

Hi Erick,

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: Erick Herrera <erick@etechenv.com>
Sent: Monday, July 31, 2023 3:36 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>
Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/4 - 8/5/23

Good afternoon,

40 Acres Energy anticipates conducting confirmation soil sampling activities at the following sites on August 3rd and August 4th.

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit Seale Battery
Incident Number: nAPP2222254057

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit GM State Battery
Incident Number: nAPP2228734147

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit 522
Incident Number: nAPP2222156433

Proposed Date: August 3, 2023, August 4, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: Federal D Battery
Discovery Date: 8/2/2022

Thank you,

Erick Herrera
Staff Geologist

eTECH
Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

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 273161

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 273161
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/22/2023