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	NAPP2228734147
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)*	nAPP2228734147
Contact mailing address	11757 Katy FWY Suite 725, Houston, TX 77079		

Location of Release Source

Latitude 32.517067 Longitude -103.333264
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	GM Battery	Site Type	Battery
Date Release Discovered	10/13/2022	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
L	02	21 S	35E	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) 3 bbls	Volume Recovered (bbls) 2 bbls
☒ Produced Water	Volume Released (bbls) 17 bbls	Volume Recovered (bbls) 10 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

Transfer pump plugged up and created leak. Leak was all in battery containment.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2228734147
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: 10/14/2022
email: brittney@faenergyus.com
Telephone: 832-241-8080

OCD Only

Received by: Jocelyn Harimon
Date: 10/14/2022

Incident ID	NAPP2228734147
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	NAPP2228734147
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: 10/3/23

email: alex@faeneregyus.com Telephone: 832-689-3788

OCD Only

Received by: Shelly Wells Date: 10/4/2023

Incident ID	NAPP2228734147
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Alex Bolanos Title: Regulatory/Production Analyst

Signature: Alex Bolanos Date: 10/3/23

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

OCD Only

Received by: Shelly Wells Date: 10/4/2023

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

Signature: Nelson Velez Date: 01/23/2024

Deferral request is approved. Remaining remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.

Environmental & Safety Solutions, Inc.

DEFERRAL REQUEST REPORT

GM Battery

Lea County, New Mexico

Incident Numbers:

NAPP2321641080

NAPP2228734147

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 Deferral Request Report (DRR) detailing site assessment and soil sampling activities performed for two overlapping inadvertent releases of crude oil and produced water at the GM 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 requests to defer residual soil impacts beneath and immediately adjacent to active production equipment until decommissioning or major facility deconstruction of the Site, whichever comes first.

SITE LOCATION AND RELEASE BACKGROUNDS

NAPP2321641080

On August 11, 2022, it was discovered that a water line failed and released approximately 7 barrels (bbls) of produced water within the secondary containment earthen berm. No fluids were recovered. FAE reported the release to The New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on August 04, 2023, and was subsequently assigned Incident Number NAPP2321641080.

NAPP2228734147

On October 13, 2022, it was discovered that a transfer pump failed and released approximately 3 bbls of crude oil and 17 bbls of produced water within the secondary containment earthen berm. A vacuum truck recovered 2 bbls of crude oil and 10 bbls of produced water. FAE reported the release to NMOCD on a Form C-141, which was received by the NMOCD on October 14, 2022, and was subsequently assigned Incident Number NAPP2228734147.

The Site is located in Unit A, Section 35, Township 22 South, Range 35 East, in Lea County, New Mexico (32.350422°, -103.333189°) as provided in the initial Form C-141 and is associated with oil and gas exploration and production on Private Land.

The well pad, where the releases occurred is located in Unit L, Section 02, Township 21 South, Range 35 East, in Lea County, New Mexico (32.517067°, -103.333264°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A**). The updated legals and coordinates are provided on the Final Form C-141.

Based on information provided by FAE, Incident Number NAPP2228734147 overlapped NAPP2321641080. Initial response efforts included excavation and removal of observed soil impacts to the maximum extent practicable (MEP), totaling 106 cubic yards (CYs). FAE provided photos and a map of the release area identifying the Area of Concern (AOC), which is presented on **Figure 2** in **Appendix A**.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;

- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring L-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.43-mile northwest 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. Referenced well records for the soil boring are 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
TPH-Gasoline Range Organics (GRO) + TPH-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 SOIL SAMPLING ACTIVITIES

From July 20, 2023, to August 3, 2023, Etech conducted a site assessment and soil sampling activities to characterize the AOC by verifying the presence or absence of impacted soil. Etech collected 5-point composite soil samples from the existing excavation advanced during initial response efforts at a sampling frequency of 200 square feet from the excavation floor and sidewalls. Soil samples were field screened soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The locations of the excavation soil samples are shown in **Figure 2** in **Appendix A**.

Concurrently with excavation soil sampling activities, six delineation potholes (PH01 through PH06) were advanced via mechanical equipment to assist with confirming residual impacts were contained within the secondary containment earthen berm. Delineation activities were driven by field screening soil as previously described. A minimum 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 3** in **Appendix A**. Photographic documentation of soil sampling activities is included in **Appendix D**.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all delineation soil samples were below the applicable Site Closure Criteria, except FS04 at 3 feet bgs as indicated by elevated TPH-GRO/TPH-DRO and TPH. Laboratory analytical results are summarized in **Table 1** in **Attachment E**, and the complete laboratory reports with chain-of-custody documentation are included in **Attachment F.**

DEFERRAL REQUEST

Based on the data collected from the final excavation confirmation soil samples, FAE requests to defer the remaining residual impacts within the secondary containment earthen berm, considering the following:

- Depth to groundwater is estimated to be greater than 100 feet bgs based on NMOSE permitted soil boring L-01975-POD1, and no other sensitive receptors are within the applicable buffer ranges.

- According to laboratory analytical results of excavation soil samples, impacts have been excavated to the MEP and removed from the Site to limit future vertical migration and human exposure upon future Site visits. The remaining residual impacts associated with the inadvertent release reside beneath and immediately adjacent to an above ground storage tank and above ground utilities. Safety restrictions prevented the ability to remove impacted soil in the vicinity of FS04, because further removal of impacted soil would compromise the structural integrity of active production equipment and endanger on-site personnel. Based on the vicinity of FS07 (collected from 4 feet bgs) to FS04 (collected from 3 feet bgs), impacts do not appear to exceed 4 feet bgs at FS04. The approximate area of the proposed deferral area is presented on **Figure 4** in **Appendix A**.

- Laboratory analyses for all delineation soil samples yielded COC concentrations below the applicable Site Closure Criteria.

- Based on the laboratory analytical data and corrective actions detailed in this DRR, residual impacts associated with the inadvertent release have been excavated to the MEP and sufficiently delineated in accordance with the applicable Site Closure Criteria. 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 requests consideration for the deferral of approximately 94 CYs of impacted soil associated with Incident Numbers NAPP2321641080 and NAPP2228734147 until decommissioning or major facility deconstruction of the Site, whichever comes first.

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 (281) 777-4152 or erick@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera
Staff Geologist

Joseph S. Hernandez
Senior Managing Geologist

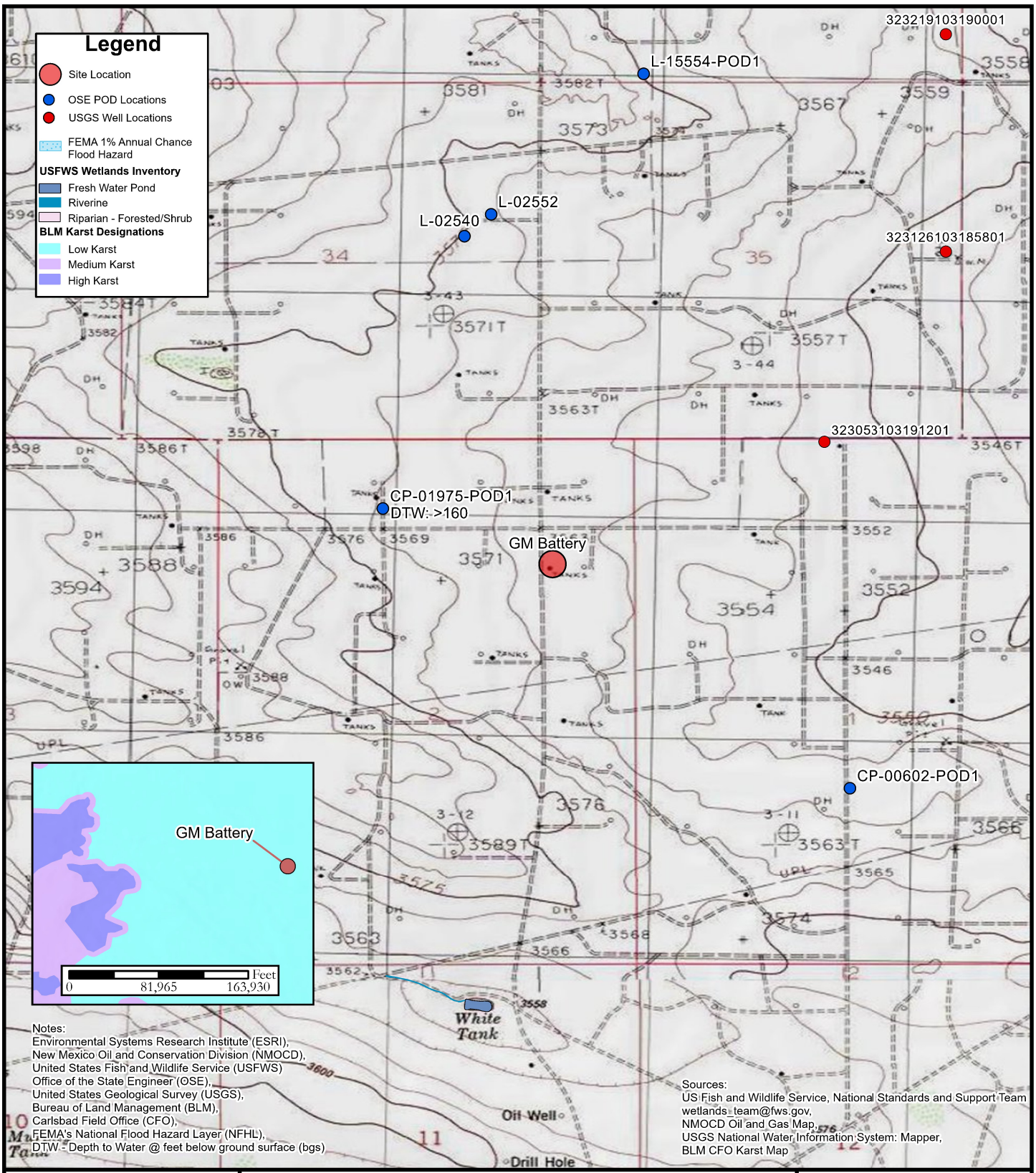
cc: David Schellstede, Forty Acres Energy
New Mexico Oil Conservation Division

Appendices:

Appendix A	Figure 1: Site Map
	Figure 3: Excavation Soil Sample Locations
	Figure 3: Delineation Soil Sample Locations
	Figure 4: Deferral Area
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
GM Battery
Unit L Sec 02 T21S R35E
Lea County, New Mexico

N

Feet
0
1,000
2,000

eTECH

FIGURE 2

Excavation Soil Sample Locations

Forty Acres Energy, LLC
GM Battery
Unit L Sec 02 T21S R35E
Lea County, New Mexico

N

0 25 50 Feet

FIGURE 3

Delineation Soil Sample Locations

Forty Acres Energy, LLC
GM Battery
Unit L Sec 02 T21S R35E
Lea County, New Mexico

N

0 25 50 Feet

FIGURE 4

Deferral Request

Forty Acres Energy, LLC
GM Battery
Unit L Sec 02 T21S R35E
Lea County, New Mexico

N

0 25 50 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: GM Battery	
	Incident Numbers: NAPP23211641080 & NAPP2228734147	
	Job Number: 18341	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.517067, -103.333264	Hole Diameter: N/A	Total Depth: 4'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-4') SAND, dry, light brown, poorly graded very fine to fine grained, trace 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		
-	-	-	-	-	3	3		
Dry	<112	0.0	No	PH01	4	4		

Total Depth

eTECH

	Sample Name: PH02	Date: 08/03/2023
	Site Name: GM Battery	
	Incident Numbers: NAPP23211641080 & NAPP2228734147	
	Job Number: 18341	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.517067, -103.333264	Hole Diameter: N/A	Total Depth: 4'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-4') SAND, dry, light brown, poorly graded, very fine to fine grained, trace 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		
-	-	-	-	-	3	3		
Dry	136	0.0	No	PH02	4	4		

Total Depth

eTECH

	Sample Name: PH03	Date: 08/03/2023
	Site Name: GM Battery	
	Incident Numbers: NAPP2321641080 & NAPP2228734147	
	Job Number: 18341	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.517067, -103.333264	Hole Diameter: N/A	Total Depth: 4'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-4') SAND, dry, light brown, poorly graded, very fine to fine grained, trace silt, no staining, no odor.
Dry	<112	0.0	No	PH03	0.5			
Dry	<112	0.0	No		1	1		
Dry	<112	0.0	No	PH03	2	2		
-	-	-	-	-	3	3		
Dry	<112	0.0	No	PH03	4	4		
						Total Depth		

eTECH	Sample Name: PH04	Date: 08/03/2023
	Site Name: GM Battery	
	Incident Numbers: NAPP2321641080 & NAPP2228734147	
	Job Number: 18341	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.517067, -103.333264	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	(0-1') Pad surface CALICHE, dry, no staining, no odor.
Dry	<112	3.1	No	PH04	0.5			
Dry	284	0.1	No		1	1	SP	(1-4') SAND, dry, light brown, poorly graded, very fine to fine grained, trace silt, no staining, no odor.
Dry	284	0.0	No	PH04	2	2		
-	-	-	-	-	3	3		
Dry	<112	0.0	No	PH04	4	4		

Total Depth

eTECH

	Sample Name: PH05	Date: 08/03/2023
	Site Name: GM Battery	
	Incident Numbers: NAPP2321641080 & NAPP2228734147	
	Job Number: 18341	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.517067, -103.333264	Hole Diameter: N/A	Total Depth: 4'

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

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

Total Depth

eTECH

	Sample Name: PH06	Date: 08/03/2023
	Site Name: GM Battery	
	Incident Numbers: NAPP2321641080 & NAPP2228734147	
	Job Number: 18341	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.517067, -103.333264	Hole Diameter: N/A	Total Depth: 4'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-4') SAND, dry, 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		1	1		
Dry	<112	0.0	No	PH06	2	2		
-	-	-	-	-	3	3		
Dry	<112	0.0	No	PH06	4	4		

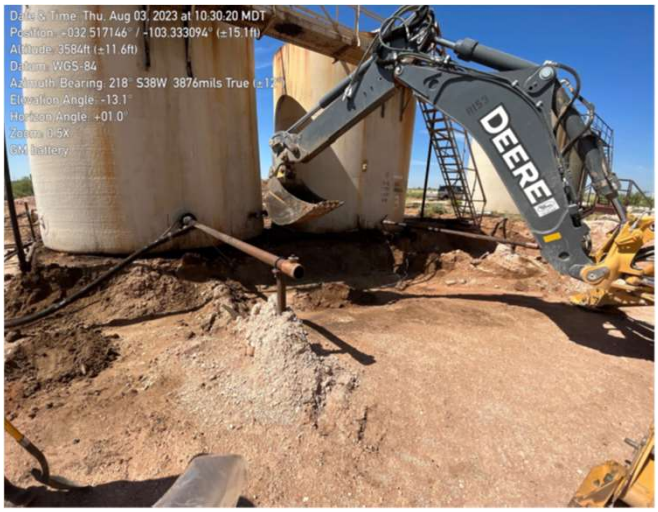
Total Depth

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
Forty Acres Energy, LLC
GM Battery
Incident Numbers: nAPP23211641080 & nAPP2228734147

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



Photograph 2 **Date: 08/03/2023**
Description: Southwestern view of excavation activities.

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

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

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy, LLC
GM 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 Numbers NAPP2321641080 & NAPP2228734147										
PH01	08/03/2023	0.5	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	83.0
PH01	08/03/2023	2	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	86.4
PH01	08/03/2023	4	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	53.3
PH02	08/03/2023	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	135
PH02	08/03/2023	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	87.2
PH02	08/03/2023	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	143
PH03	08/03/2023	0.5	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	88.6
PH03	08/03/2023	2	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	<49.6	58.6
PH03	08/03/2023	4	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	40.5
PH04	08/03/2023	0.5	<0.00199	<0.00398	<50.4	96.2	<50.4	96.2	96.2	86.0
PH04	08/03/2023	2	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	62.0
PH04	08/03/2023	4	<0.00198	<0.00396	<49.7	119	<49.7	119	119	51.4
PH05	08/03/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	109
PH05	08/03/2023	2	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	<50.4	41.1
PH05	08/03/2023	4	<0.00202	<0.00403	<50.3	137	<50.3	137	137	49.4
PH06	08/03/2023	0.5	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	<50.2	75.4
PH06	08/03/2023	2	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	88.0
PH06	08/03/2023	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	90.2
Excavation Soil Samples - Incident Numbers NAPP2321641080 & NAPP2228734147										
FS01	08/03/2023	3	<0.00200	<0.00400	<50.4	331	<50.4	331	331	538
FS02	08/03/2023	3	<0.00198	<0.00396	<50.2	382	<50.2	382	382	412
FS03	08/03/2023	3	<0.00201	<0.00402	<49.9	110	<49.9	110	110	813
FS04	08/03/2023	3	<0.00202	<0.00403	<49.7	1,250	<49.7	**1,250**	1,250	1,010
FS05	08/03/2023	3	<0.00202	<0.00403	<49.8	499	<49.8	499	499	306
FS06	08/03/2023	3	<0.00199	<0.00398	<50.3	295	<50.3	295	295	976
FS07	08/03/2023	4	<0.00198	<0.00396	<50.5	363	<50.5	363	363	501
FS08	08/03/2023	3	<0.00201	<0.00402	<50.0	391	<50.0	391	391	1,870
FS09	08/03/2023	3	<0.00200	<0.00401	<49.9	966	<49.9	966	966	310
FS10	08/03/2023	3	<0.00200	<0.00399	<49.6	175	<49.6	175	175	892

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy, LLC
GM 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**
SW01	08/03/2023	0-3	<0.00198	<0.00397	<50.2	302	<50.2	302	302	1,070
SW02	08/03/2023	0-3	<0.00198	<0.00396	<50.4	684	82.5	767	767	453
SW03	08/03/2023	0-3	<0.00201	<0.00402	<50.0	500	60.2	560	560	527
SW04	08/03/2023	0-3	<0.00202	<0.00403	<49.7	683	64.3	747	747	248
SW05	08/03/2023	0-3	<0.00200	0.0287	<49.8	549	79.1	628	628	993
SW06	08/03/2023	0-3	<0.00201	0.0130	<49.6	685	75.6	761	761	428

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

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/21/2023 2:39:37 PM

JOB DESCRIPTION

WEU GM Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-5037-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

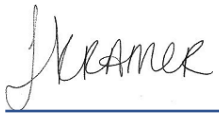
Eurofins Carlsbad

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



Generated
8/21/2023 2:39:37 PM

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

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

Laboratory Job ID: 890-5037-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-5037-1
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
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 GM Battery

Job ID: 890-5037-1
SDG: Lea County NM

Job ID: 890-5037-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5037-1

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: (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: (890-5037-A-1-E MSD). 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: PH02 (890-5037-5), PH02 (890-5037-6), PH04 (890-5037-11) and PH04 (890-5037-12). 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: PH05 (890-5037-14), PH06 (890-5037-17) and PH06 (890-5037-18). 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: Surrogate recovery for the following samples were outside control limits: PH02 (890-5037-5) and PH03 (890-5037-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60321 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.

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 880-59538 and analytical batch 880-59750 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 GM Battery

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH01

Lab Sample ID: 890-5037-1
Matrix: Solid
Date Collected: 08/03/23 11:30
Date Received: 08/04/23 16:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/13/23 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/12/23 14:59*	*08/13/23 22:27*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/12/23 14:59*	*08/13/23 22:27*	*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 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	<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	08/18/23 20:50	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1
Total TPH	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*08/15/23 16:37*	*08/18/23 20:50*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/15/23 16:37*	*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	**83.0**	**F1**	5.00		mg/Kg			08/09/23 16:12	1

Client Sample ID: PH01

Lab Sample ID: 890-5037-2
Matrix: Solid
Date Collected: 08/03/23 11:35
Date Received: 08/04/23 16:05
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/13/23 22:53	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH01

Date Collected: 08/03/23 11:35
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5037-2
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*08/12/23 14:59*	*08/13/23 22:53*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/12/23 14:59*	*08/13/23 22:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		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	<50.5	U	50.5		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	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
Total TPH	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*08/15/23 16:37*	*08/18/23 21:57*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/15/23 16:37*	*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	**86.4**		5.05		mg/Kg			08/09/23 16:29	1

Client Sample ID: PH01

Date Collected: 08/03/23 11:40
Date Received: 08/04/23 16:05
Sample Depth: 4

Lab Sample ID: 890-5037-3
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		08/12/23 14:59	08/13/23 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/13/23 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*08/12/23 14:59*	*08/13/23 23:18*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/12/23 14:59*	*08/13/23 23:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/14/23 15:21	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH01

Lab Sample ID: 890-5037-3
Matrix: Solid

Date Collected: 08/03/23 11:40
Date Received: 08/04/23 16:05
Sample Depth: 4

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 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	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/15/23 16:37*	*08/18/23 22:19*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/15/23 16:37*	*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	**53.3**		5.02		mg/Kg			08/09/23 16:35	1

Client Sample ID: PH02

Lab Sample ID: 890-5037-4
Matrix: Solid

Date Collected: 08/03/23 11:45
Date Received: 08/04/23 16:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/13/23 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/12/23 14:59*	*08/13/23 23:43*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/12/23 14:59*	*08/13/23 23:43*	*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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/21/23 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	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH02
Date Collected: 08/03/23 11:45
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5037-4
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	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*08/15/23 16:37*	*08/18/23 22:41*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/15/23 16:37*	*08/18/23 22:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		4.97		mg/Kg			08/09/23 16:40	1

Client Sample ID: PH02
Date Collected: 08/03/23 11:50
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5037-5
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		08/12/23 14:59	08/14/23 00:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 00:09*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/12/23 14:59*	*08/14/23 00:09*	*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	<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	08/18/23 23:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 23:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 23:04	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*08/15/23 16:37*	*08/18/23 23:04*	*1*
o-Terphenyl	*109*		*70 - 130*	*08/15/23 16:37*	*08/18/23 23:04*	*1*

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH02
Date Collected: 08/03/23 11:50
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5037-5
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.2		5.04		mg/Kg			08/09/23 16:46	1

Client Sample ID: PH02
Date Collected: 08/03/23 11:55
Date Received: 08/04/23 16:05
Sample Depth: 4

Lab Sample ID: 890-5037-6
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		08/12/23 14:59	08/14/23 00:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 00:34*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*08/12/23 14:59*	*08/14/23 00:34*	*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 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	<49.9	U	49.9		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	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1
Total TPH	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*08/15/23 16:37*	*08/18/23 23:26*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/15/23 16:37*	*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	143		4.98		mg/Kg			08/09/23 17:03	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH03

Lab Sample ID: 890-5037-7
Matrix: Solid
Date Collected: 08/03/23 12:00
Date Received: 08/04/23 16:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/12/23 14:59*	*08/14/23 00:59*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/12/23 14:59*	*08/14/23 00:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/23 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	<49.6	U	49.6		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	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/15/23 16:37*	*08/18/23 23:49*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/15/23 16:37*	*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	**88.6**		5.00		mg/Kg			08/09/23 17:09	1

Client Sample ID: PH03

Lab Sample ID: 890-5037-8
Matrix: Solid
Date Collected: 08/03/23 12:05
Date Received: 08/04/23 16:05
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/14/23 01:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/14/23 01:24	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH03

Lab Sample ID: 890-5037-8
Matrix: Solid
Date Collected: 08/03/23 12:05
Date Received: 08/04/23 16:05
Sample Depth: 2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/12/23 14:59	08/14/23 01:24	1
1,4-Difluorobenzene (Surr)	75		70 - 130	08/12/23 14:59	08/14/23 01:24	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 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	<49.6	U	49.6		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	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	08/15/23 16:37	08/19/23 00:12	1
o-Terphenyl	95		70 - 130	08/15/23 16:37	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	58.6		5.01		mg/Kg			08/09/23 17:15	1

Client Sample ID: PH03

Lab Sample ID: 890-5037-9
Matrix: Solid
Date Collected: 08/03/23 12:10
Date Received: 08/04/23 16:05
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	08/12/23 14:59	08/14/23 01:50	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/12/23 14:59	08/14/23 01:50	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 15:21	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH03

Lab Sample ID: 890-5037-9
Matrix: Solid
Date Collected: 08/03/23 12:10
Date Received: 08/04/23 16:05
Sample Depth: 4

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 00:34	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1
Total TPH	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*08/15/23 16:37*	*08/19/23 00:34*	*1*
o-Terphenyl	*114*		*70 - 130*	*08/15/23 16:37*	*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	**40.5**		5.03		mg/Kg			08/09/23 17:22	1

Client Sample ID: PH04

Lab Sample ID: 890-5037-10
Matrix: Solid
Date Collected: 08/03/23 12:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*08/12/23 14:59*	*08/14/23 02:15*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*08/12/23 14:59*	*08/14/23 02:15*	*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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**96.2**		50.4		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	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/19/23 04:21	1
Diesel Range Organics (Over C10-C28)	**96.2**		50.4		mg/Kg		08/15/23 16:37	08/19/23 04:21	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/19/23 04:21	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 08/03/23 12:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

Lab Sample ID: 890-5037-10

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	96.2		50.4		mg/Kg		08/15/23 16:37	08/19/23 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*08/15/23 16:37*	*08/19/23 04:21*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/15/23 16:37*	*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	86.0		4.99		mg/Kg			08/09/23 17:28	1

Client Sample ID: PH04

Date Collected: 08/03/23 12:30
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5037-11

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		08/12/23 14:59	08/14/23 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 03:56*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*08/12/23 14:59*	*08/14/23 03:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/14/23 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	<50.5	U	50.5		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	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/19/23 00:57	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/19/23 00:57	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/19/23 00:57	1
Total TPH	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/19/23 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*08/15/23 16:37*	*08/19/23 00:57*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/15/23 16:37*	*08/19/23 00:57*	*1*

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH04
Lab Sample ID: 890-5037-11
Matrix: Solid
Date Collected: 08/03/23 12:30
Date Received: 08/04/23 16:05
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.0**		4.96		mg/Kg			08/09/23 17:35	1

Client Sample ID: PH04
Lab Sample ID: 890-5037-12
Matrix: Solid
Date Collected: 08/03/23 12:40
Date Received: 08/04/23 16:05
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 04:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/12/23 14:59*	*08/14/23 04:21*	*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	**119**		49.7		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	<49.7	U	49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1
Diesel Range Organics (Over C10-C28)	**119**		49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1
Total TPH	**119**		49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*08/15/23 16:37*	*08/19/23 03:35*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/15/23 16:37*	*08/19/23 03:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.4**		5.03		mg/Kg			08/09/23 17:55	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH05

Lab Sample ID: 890-5037-13
Matrix: Solid
Date Collected: 08/03/23 12:50
Date Received: 08/04/23 16:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/12/23 14:59*	*08/14/23 04:46*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/12/23 14:59*	*08/14/23 04:46*	*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 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	<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 01:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 01:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 01:43	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*08/15/23 16:37*	*08/19/23 01:43*	*1*
o-Terphenyl	*80*		*70 - 130*	*08/15/23 16:37*	*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	**109**		5.00		mg/Kg			08/09/23 18:02	1

Client Sample ID: PH05

Lab Sample ID: 890-5037-14
Matrix: Solid
Date Collected: 08/03/23 13:00
Date Received: 08/04/23 16:05
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 05:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 05:12	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH05

Date Collected: 08/03/23 13:00
Date Received: 08/04/23 16:05
Sample Depth: 2

Lab Sample ID: 890-5037-14

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 05:12*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/12/23 14:59*	*08/14/23 05:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/23 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	<50.4	U	50.4		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	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/19/23 02:06	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/19/23 02:06	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/19/23 02:06	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/19/23 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*101*		*70 - 130*	*08/15/23 16:37*	*08/19/23 02:06*	*1*
o-Terphenyl	*80*		*70 - 130*	*08/15/23 16:37*	*08/19/23 02:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.1**		5.02		mg/Kg			08/09/23 18:22	1

Client Sample ID: PH05

Date Collected: 08/03/23 13:10
Date Received: 08/04/23 16:05
Sample Depth: 4

Lab Sample ID: 890-5037-15

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		08/12/23 14:59	08/14/23 05:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/14/23 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*08/12/23 14:59*	*08/14/23 05:37*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/12/23 14:59*	*08/14/23 05:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 15:21	1

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH05

Lab Sample ID: 890-5037-15
Matrix: Solid
Date Collected: 08/03/23 13:10
Date Received: 08/04/23 16:05
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**137**		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 03:59	1
Diesel Range Organics (Over C10-C28)	**137**		50.3		mg/Kg		08/15/23 16:37	08/19/23 03:59	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 03:59	1
Total TPH	**137**		50.3		mg/Kg		08/15/23 16:37	08/19/23 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*08/15/23 16:37*	*08/19/23 03:59*	*1*
o-Terphenyl	*78*		*70 - 130*	*08/15/23 16:37*	*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	**49.4**		4.99		mg/Kg			08/09/23 18:29	1

Client Sample ID: PH06

Lab Sample ID: 890-5037-16
Matrix: Solid
Date Collected: 08/03/23 13:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*08/12/23 14:59*	*08/14/23 06:03*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/12/23 14:59*	*08/14/23 06:03*	*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	<50.2	U	50.2		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	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:29	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:29	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:29	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH06

Lab Sample ID: 890-5037-16
Matrix: Solid
Date Collected: 08/03/23 13:20
Date Received: 08/04/23 16:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*08/15/23 16:37*	*08/19/23 02:29*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/15/23 16:37*	*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	**75.4**		5.00		mg/Kg			08/09/23 18:35	1

Client Sample ID: PH06

Lab Sample ID: 890-5037-17
Matrix: Solid
Date Collected: 08/03/23 13:30
Date Received: 08/04/23 16:05
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 06:29*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/12/23 14:59*	*08/14/23 06:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/14/23 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	<50.2	U	50.2		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	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
Total TPH	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*08/15/23 16:37*	*08/19/23 02:51*	*1*
o-Terphenyl	*87*		*70 - 130*	*08/15/23 16:37*	*08/19/23 02:51*	*1*

Client Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH06

Lab Sample ID: 890-5037-17
Matrix: Solid
Date Collected: 08/03/23 13:30
Date Received: 08/04/23 16:05
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.0		4.96		mg/Kg			08/09/23 18:42	1

Client Sample ID: PH06

Lab Sample ID: 890-5037-18
Matrix: Solid
Date Collected: 08/03/23 13:40
Date Received: 08/04/23 16:05
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/14/23 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*08/12/23 14:59*	*08/14/23 06:55*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/12/23 14:59*	*08/14/23 06:55*	*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 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	<49.9	U	49.9		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	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
Total TPH	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/15/23 16:37*	*08/19/23 03:13*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/15/23 16:37*	*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	90.2		4.97		mg/Kg			08/09/23 18:48	1

Surrogate Summary

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

Job ID: 890-5037-1
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)
890-5037-1	PH01	112	87
890-5037-1 MS	PH01	106	86
890-5037-1 MSD	PH01	90	69 S1-
890-5037-2	PH01	127	91
890-5037-3	PH01	123	72
890-5037-4	PH02	114	81
890-5037-5	PH02	131 S1+	85
890-5037-6	PH02	140 S1+	102
890-5037-7	PH03	103	89
890-5037-8	PH03	111	75
890-5037-9	PH03	130	119
890-5037-10	PH04	106	114
890-5037-11	PH04	150 S1+	129
890-5037-12	PH04	137 S1+	94
890-5037-13	PH05	98	72
890-5037-14	PH05	131 S1+	94
890-5037-15	PH05	124	82
890-5037-16	PH06	123	83
890-5037-17	PH06	131 S1+	77
890-5037-18	PH06	146 S1+	98
LCS 880-60013/1-A	Lab Control Sample	92	69 S1-
LCSD 880-60013/2-A	Lab Control Sample Dup	96	90
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)
890-5037-1	PH01	115	94
890-5037-1 MS	PH01	123	92
890-5037-1 MSD	PH01	122	90
890-5037-2	PH01	110	89
890-5037-3	PH01	109	88
890-5037-4	PH02	118	94
890-5037-5	PH02	141 S1+	109
890-5037-6	PH02	125	100
890-5037-7	PH03	122	96
890-5037-8	PH03	120	95
890-5037-9	PH03	146 S1+	114
890-5037-10	PH04	132 S1+	105
890-5037-11	PH04	130	103
890-5037-12	PH04	126	98
890-5037-13	PH05	100	80

Surrogate Summary

Client: Etech Environmental & Safety Solutions Job ID: 890-5037-1
Project/Site: WEU GM 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)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-5037-14	PH05	101	80										
890-5037-15	PH05	100	78										
890-5037-16	PH06	121	98										
890-5037-17	PH06	110	87										
890-5037-18	PH06	122	97										
LCS 880-60321/2-A	Lab Control Sample	121	103										
LCSD 880-60321/3-A	Lab Control Sample Dup	125	104										
MB 880-60321/1-A	Method Blank	157 S1+	130										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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
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

QC Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

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

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
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*

Lab Sample ID: 890-5037-1 MS
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1249		mg/Kg		125	70 - 130
Toluene	<0.00202	U	0.0996	0.1219		mg/Kg		122	70 - 130
Ethylbenzene	<0.00202	U	0.0996	0.1289		mg/Kg		129	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.2467		mg/Kg		124	70 - 130
o-Xylene	<0.00202	U	0.0996	0.1245		mg/Kg		125	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 890-5037-1 MSD
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1019		mg/Kg		103	70 - 130	20	35
Toluene	<0.00202	U	0.0990	0.1176		mg/Kg		119	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.0990	0.1182		mg/Kg		119	70 - 130	9	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.2236		mg/Kg		113	70 - 130	10	35
o-Xylene	<0.00202	U	0.0990	0.1164		mg/Kg		118	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*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

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-5037-1
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
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1
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: 890-5037-1 MS
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	875.6		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	993	956.0		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*

QC Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

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

Lab Sample ID: 890-5037-1 MS
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60321

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 890-5037-1 MSD
Matrix: Solid
Analysis Batch: 60520

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 60321

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	<50.3	U	993	875.1		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.3	U	993	944.8		mg/Kg		94	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

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

Lab Sample ID: 890-5037-1 MS
Matrix: Solid
Analysis Batch: 59750

Client Sample ID: PH01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	83.0	F1	250	359.5	F1	mg/Kg		111	90 - 110		

QC Sample Results

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

Job ID: 890-5037-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5037-1 MSD
Matrix: Solid
Analysis Batch: 59750

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	83.0	F1	250	350.8		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 890-5037-11 MS
Matrix: Solid
Analysis Batch: 59750

Client Sample ID: PH04
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	62.0		248	303.8		mg/Kg		98	90 - 110

Lab Sample ID: 890-5037-11 MSD
Matrix: Solid
Analysis Batch: 59750

Client Sample ID: PH04
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	62.0		248	301.1		mg/Kg		96	90 - 110	1	20

QC Association Summary

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

Job ID: 890-5037-1
SDG: Lea County NM

GC VOA

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
890-5037-1	PH01	Total/NA	Solid	8021B	60013
890-5037-2	PH01	Total/NA	Solid	8021B	60013
890-5037-3	PH01	Total/NA	Solid	8021B	60013
890-5037-4	PH02	Total/NA	Solid	8021B	60013
890-5037-5	PH02	Total/NA	Solid	8021B	60013
890-5037-6	PH02	Total/NA	Solid	8021B	60013
890-5037-7	PH03	Total/NA	Solid	8021B	60013
890-5037-8	PH03	Total/NA	Solid	8021B	60013
890-5037-9	PH03	Total/NA	Solid	8021B	60013
890-5037-10	PH04	Total/NA	Solid	8021B	60013
890-5037-11	PH04	Total/NA	Solid	8021B	60013
890-5037-12	PH04	Total/NA	Solid	8021B	60013
890-5037-13	PH05	Total/NA	Solid	8021B	60013
890-5037-14	PH05	Total/NA	Solid	8021B	60013
890-5037-15	PH05	Total/NA	Solid	8021B	60013
890-5037-16	PH06	Total/NA	Solid	8021B	60013
890-5037-17	PH06	Total/NA	Solid	8021B	60013
890-5037-18	PH06	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
890-5037-1 MS	PH01	Total/NA	Solid	8021B	60013
890-5037-1 MSD	PH01	Total/NA	Solid	8021B	60013

Prep Batch: 60013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	5035	
890-5037-2	PH01	Total/NA	Solid	5035	
890-5037-3	PH01	Total/NA	Solid	5035	
890-5037-4	PH02	Total/NA	Solid	5035	
890-5037-5	PH02	Total/NA	Solid	5035	
890-5037-6	PH02	Total/NA	Solid	5035	
890-5037-7	PH03	Total/NA	Solid	5035	
890-5037-8	PH03	Total/NA	Solid	5035	
890-5037-9	PH03	Total/NA	Solid	5035	
890-5037-10	PH04	Total/NA	Solid	5035	
890-5037-11	PH04	Total/NA	Solid	5035	
890-5037-12	PH04	Total/NA	Solid	5035	
890-5037-13	PH05	Total/NA	Solid	5035	
890-5037-14	PH05	Total/NA	Solid	5035	
890-5037-15	PH05	Total/NA	Solid	5035	
890-5037-16	PH06	Total/NA	Solid	5035	
890-5037-17	PH06	Total/NA	Solid	5035	
890-5037-18	PH06	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	

QC Association Summary

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

Job ID: 890-5037-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 60013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-60013/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5037-1 MS	PH01	Total/NA	Solid	5035	
890-5037-1 MSD	PH01	Total/NA	Solid	5035	

Analysis Batch: 60136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	Total BTEX	
890-5037-2	PH01	Total/NA	Solid	Total BTEX	
890-5037-3	PH01	Total/NA	Solid	Total BTEX	
890-5037-4	PH02	Total/NA	Solid	Total BTEX	
890-5037-5	PH02	Total/NA	Solid	Total BTEX	
890-5037-6	PH02	Total/NA	Solid	Total BTEX	
890-5037-7	PH03	Total/NA	Solid	Total BTEX	
890-5037-8	PH03	Total/NA	Solid	Total BTEX	
890-5037-9	PH03	Total/NA	Solid	Total BTEX	
890-5037-10	PH04	Total/NA	Solid	Total BTEX	
890-5037-11	PH04	Total/NA	Solid	Total BTEX	
890-5037-12	PH04	Total/NA	Solid	Total BTEX	
890-5037-13	PH05	Total/NA	Solid	Total BTEX	
890-5037-14	PH05	Total/NA	Solid	Total BTEX	
890-5037-15	PH05	Total/NA	Solid	Total BTEX	
890-5037-16	PH06	Total/NA	Solid	Total BTEX	
890-5037-17	PH06	Total/NA	Solid	Total BTEX	
890-5037-18	PH06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	8015NM Prep	
890-5037-2	PH01	Total/NA	Solid	8015NM Prep	
890-5037-3	PH01	Total/NA	Solid	8015NM Prep	
890-5037-4	PH02	Total/NA	Solid	8015NM Prep	
890-5037-5	PH02	Total/NA	Solid	8015NM Prep	
890-5037-6	PH02	Total/NA	Solid	8015NM Prep	
890-5037-7	PH03	Total/NA	Solid	8015NM Prep	
890-5037-8	PH03	Total/NA	Solid	8015NM Prep	
890-5037-9	PH03	Total/NA	Solid	8015NM Prep	
890-5037-10	PH04	Total/NA	Solid	8015NM Prep	
890-5037-11	PH04	Total/NA	Solid	8015NM Prep	
890-5037-12	PH04	Total/NA	Solid	8015NM Prep	
890-5037-13	PH05	Total/NA	Solid	8015NM Prep	
890-5037-14	PH05	Total/NA	Solid	8015NM Prep	
890-5037-15	PH05	Total/NA	Solid	8015NM Prep	
890-5037-16	PH06	Total/NA	Solid	8015NM Prep	
890-5037-17	PH06	Total/NA	Solid	8015NM Prep	
890-5037-18	PH06	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	
890-5037-1 MS	PH01	Total/NA	Solid	8015NM Prep	

QC Association Summary

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

Job ID: 890-5037-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 60321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1 MSD	PH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	8015B NM	60321
890-5037-2	PH01	Total/NA	Solid	8015B NM	60321
890-5037-3	PH01	Total/NA	Solid	8015B NM	60321
890-5037-4	PH02	Total/NA	Solid	8015B NM	60321
890-5037-5	PH02	Total/NA	Solid	8015B NM	60321
890-5037-6	PH02	Total/NA	Solid	8015B NM	60321
890-5037-7	PH03	Total/NA	Solid	8015B NM	60321
890-5037-8	PH03	Total/NA	Solid	8015B NM	60321
890-5037-9	PH03	Total/NA	Solid	8015B NM	60321
890-5037-10	PH04	Total/NA	Solid	8015B NM	60321
890-5037-11	PH04	Total/NA	Solid	8015B NM	60321
890-5037-12	PH04	Total/NA	Solid	8015B NM	60321
890-5037-13	PH05	Total/NA	Solid	8015B NM	60321
890-5037-14	PH05	Total/NA	Solid	8015B NM	60321
890-5037-15	PH05	Total/NA	Solid	8015B NM	60321
890-5037-16	PH06	Total/NA	Solid	8015B NM	60321
890-5037-17	PH06	Total/NA	Solid	8015B NM	60321
890-5037-18	PH06	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
890-5037-1 MS	PH01	Total/NA	Solid	8015B NM	60321
890-5037-1 MSD	PH01	Total/NA	Solid	8015B NM	60321

Analysis Batch: 60712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	8015 NM	
890-5037-2	PH01	Total/NA	Solid	8015 NM	
890-5037-3	PH01	Total/NA	Solid	8015 NM	
890-5037-4	PH02	Total/NA	Solid	8015 NM	
890-5037-5	PH02	Total/NA	Solid	8015 NM	
890-5037-6	PH02	Total/NA	Solid	8015 NM	
890-5037-7	PH03	Total/NA	Solid	8015 NM	
890-5037-8	PH03	Total/NA	Solid	8015 NM	
890-5037-9	PH03	Total/NA	Solid	8015 NM	
890-5037-10	PH04	Total/NA	Solid	8015 NM	
890-5037-11	PH04	Total/NA	Solid	8015 NM	
890-5037-12	PH04	Total/NA	Solid	8015 NM	
890-5037-13	PH05	Total/NA	Solid	8015 NM	
890-5037-14	PH05	Total/NA	Solid	8015 NM	
890-5037-15	PH05	Total/NA	Solid	8015 NM	
890-5037-16	PH06	Total/NA	Solid	8015 NM	
890-5037-17	PH06	Total/NA	Solid	8015 NM	
890-5037-18	PH06	Total/NA	Solid	8015 NM	

QC Association Summary

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

Job ID: 890-5037-1
SDG: Lea County NM

HPLC/IC

Leach Batch: 59538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Soluble	Solid	DI Leach	
890-5037-2	PH01	Soluble	Solid	DI Leach	
890-5037-3	PH01	Soluble	Solid	DI Leach	
890-5037-4	PH02	Soluble	Solid	DI Leach	
890-5037-5	PH02	Soluble	Solid	DI Leach	
890-5037-6	PH02	Soluble	Solid	DI Leach	
890-5037-7	PH03	Soluble	Solid	DI Leach	
890-5037-8	PH03	Soluble	Solid	DI Leach	
890-5037-9	PH03	Soluble	Solid	DI Leach	
890-5037-10	PH04	Soluble	Solid	DI Leach	
890-5037-11	PH04	Soluble	Solid	DI Leach	
890-5037-12	PH04	Soluble	Solid	DI Leach	
890-5037-13	PH05	Soluble	Solid	DI Leach	
890-5037-14	PH05	Soluble	Solid	DI Leach	
890-5037-15	PH05	Soluble	Solid	DI Leach	
890-5037-16	PH06	Soluble	Solid	DI Leach	
890-5037-17	PH06	Soluble	Solid	DI Leach	
890-5037-18	PH06	Soluble	Solid	DI Leach	
MB 880-59538/1-A	Method Blank	Soluble	Solid	DI Leach	
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	
890-5037-1 MS	PH01	Soluble	Solid	DI Leach	
890-5037-1 MSD	PH01	Soluble	Solid	DI Leach	
890-5037-11 MS	PH04	Soluble	Solid	DI Leach	
890-5037-11 MSD	PH04	Soluble	Solid	DI Leach	

Analysis Batch: 59750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Soluble	Solid	300.0	59538
890-5037-2	PH01	Soluble	Solid	300.0	59538
890-5037-3	PH01	Soluble	Solid	300.0	59538
890-5037-4	PH02	Soluble	Solid	300.0	59538
890-5037-5	PH02	Soluble	Solid	300.0	59538
890-5037-6	PH02	Soluble	Solid	300.0	59538
890-5037-7	PH03	Soluble	Solid	300.0	59538
890-5037-8	PH03	Soluble	Solid	300.0	59538
890-5037-9	PH03	Soluble	Solid	300.0	59538
890-5037-10	PH04	Soluble	Solid	300.0	59538
890-5037-11	PH04	Soluble	Solid	300.0	59538
890-5037-12	PH04	Soluble	Solid	300.0	59538
890-5037-13	PH05	Soluble	Solid	300.0	59538
890-5037-14	PH05	Soluble	Solid	300.0	59538
890-5037-15	PH05	Soluble	Solid	300.0	59538
890-5037-16	PH06	Soluble	Solid	300.0	59538
890-5037-17	PH06	Soluble	Solid	300.0	59538
890-5037-18	PH06	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
890-5037-1 MS	PH01	Soluble	Solid	300.0	59538
890-5037-1 MSD	PH01	Soluble	Solid	300.0	59538

QC Association Summary

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

Job ID: 890-5037-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 59750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-11 MS	PH04	Soluble	Solid	300.0	59538
890-5037-11 MSD	PH04	Soluble	Solid	300.0	59538

Lab Chronicle

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH01
Date Collected: 08/03/23 11:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 22:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	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	08/18/23 20:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:12	CH	EET MID

Client Sample ID: PH01
Date Collected: 08/03/23 11:35
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-2
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			4.99 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 22:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 21:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:29	CH	EET MID

Client Sample ID: PH01
Date Collected: 08/03/23 11:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 23:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:35	CH	EET MID

Client Sample ID: PH02
Date Collected: 08/03/23 11:45
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 23:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID

Lab Chronicle

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH02
Date Collected: 08/03/23 11:45
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-4
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			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 22:41	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 16:40	CH	EET MID

Client Sample ID: PH02
Date Collected: 08/03/23 11:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-5
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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 00:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 23:04	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 16:46	CH	EET MID

Client Sample ID: PH02
Date Collected: 08/03/23 11:55
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-6
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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 00:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 23:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:03	CH	EET MID

Client Sample ID: PH03
Date Collected: 08/03/23 12:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 00:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 23:49	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH03
Date Collected: 08/03/23 12:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-7
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			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:09	CH	EET MID

Client Sample ID: PH03
Date Collected: 08/03/23 12:05
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-8
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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 01:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 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 00:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:15	CH	EET MID

Client Sample ID: PH03
Date Collected: 08/03/23 12:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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 01:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 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 00:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:22	CH	EET MID

Client Sample ID: PH04
Date Collected: 08/03/23 12:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-10
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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 02:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 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 04:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:28	CH	EET MID

Lab Chronicle

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH04

Date Collected: 08/03/23 12:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-11

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			5.01 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 03:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 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 00:57	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:35	CH	EET MID

Client Sample ID: PH04

Date Collected: 08/03/23 12:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-12

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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 04:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 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 03:35	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:55	CH	EET MID

Client Sample ID: PH05

Date Collected: 08/03/23 12:50
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-13

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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 04:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 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 01:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:02	CH	EET MID

Client Sample ID: PH05

Date Collected: 08/03/23 13:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 05:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID

Lab Chronicle

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH05
Date Collected: 08/03/23 13:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-14
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			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 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 02:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:22	CH	EET MID

Client Sample ID: PH05
Date Collected: 08/03/23 13:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-15
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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 05:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	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 03:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:29	CH	EET MID

Client Sample ID: PH06
Date Collected: 08/03/23 13:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 06:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 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 02:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:35	CH	EET MID

Client Sample ID: PH06
Date Collected: 08/03/23 13:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 06:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 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 02:51	SM	EET MID

Lab Chronicle

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

Job ID: 890-5037-1
SDG: Lea County NM

Client Sample ID: PH06
Date Collected: 08/03/23 13:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-17
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			5.04 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:42	CH	EET MID

Client Sample ID: PH06
Date Collected: 08/03/23 13:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-18
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			5.00 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 06:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 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 03:13	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 18:48	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
Project/Site: WEU GM Battery

Job ID: 890-5037-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 890-5037-1
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 GM Battery

Job ID: 890-5037-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5037-1	PH01	Solid	08/03/23 11:30	08/04/23 16:05	0.5
890-5037-2	PH01	Solid	08/03/23 11:35	08/04/23 16:05	2
890-5037-3	PH01	Solid	08/03/23 11:40	08/04/23 16:05	4
890-5037-4	PH02	Solid	08/03/23 11:45	08/04/23 16:05	0.5
890-5037-5	PH02	Solid	08/03/23 11:50	08/04/23 16:05	2
890-5037-6	PH02	Solid	08/03/23 11:55	08/04/23 16:05	4
890-5037-7	PH03	Solid	08/03/23 12:00	08/04/23 16:05	0.5
890-5037-8	PH03	Solid	08/03/23 12:05	08/04/23 16:05	2
890-5037-9	PH03	Solid	08/03/23 12:10	08/04/23 16:05	4
890-5037-10	PH04	Solid	08/03/23 12:20	08/04/23 16:05	0.5
890-5037-11	PH04	Solid	08/03/23 12:30	08/04/23 16:05	2
890-5037-12	PH04	Solid	08/03/23 12:40	08/04/23 16:05	4
890-5037-13	PH05	Solid	08/03/23 12:50	08/04/23 16:05	0.5
890-5037-14	PH05	Solid	08/03/23 13:00	08/04/23 16:05	2
890-5037-15	PH05	Solid	08/03/23 13:10	08/04/23 16:05	4
890-5037-16	PH06	Solid	08/03/23 13:20	08/04/23 16:05	0.5
890-5037-17	PH06	Solid	08/03/23 13:30	08/04/23 16:05	2
890-5037-18	PH06	Solid	08/03/23 13:40	08/04/23 16:05	4

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 1 of 2

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 GM Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	18341	Due Date:	5 TAT
Project Location:	Lea County, New Mexico	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Edyte Konan		
PO #:			

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TWN007
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

ANALYSIS REQUEST

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
PH01	s	8/3/2023	11:30	0.5'	G	1		X	X	X
PH01	s	8/3/2023	11:35	2'	G	1		X	X	X
PH01	s	8/3/2023	11:40	4'	G	1		X	X	X
PH02	s	8/3/2023	11:45	0.5'	G	1		X	X	X
PH02	s	8/3/2023	11:50	2'	G	1		X	X	X
PH02	s	8/3/2023	11:55	4'	G	1		X	X	X
PH03	s	8/3/2023	12:00	0.5'	G	1		X	X	X
PH03	s	8/3/2023	12:05	2'	G	1		X	X	X
PH03	s	8/3/2023	12:10	4'	G	1		X	X	X

890-5037 Chain of Custody

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 Comments

Incident ID:
nAPP2228734147

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			
3			4		
5			6		

Revised Date: 08/25/2020 Rev: 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 2

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 GM Battery	Turn Around	
Project Number:	18341	☑ 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
PH04	s	8/3/2023	12:20	0.5'	G	1		X	X	X	Incident ID:
PH04	s	8/3/2023	12:30	2'	G	1		X	X	X	nAPP2228734147
PH04	s	8/3/2023	12:40	4'	G	1		X	X	X	
PH05	s	8/3/2023	12:50	0.5'	G	1		X	X	X	
PH05	s	8/3/2023	13:00	2'	G	1		X	X	X	
PH05	s	8/3/2023	13:10	4'	G	1		X	X	X	
PH06	s	8/3/2023	13:20	0.5'	G	1		X	X	X	
PH06	s	8/3/2023	13:30	2'	G	1		X	X	X	
PH06	s	8/3/2023	13:40	4'	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 1605	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5037-1
SDG Number: Lea County NM

Login Number: 5037
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: 890-5037-1
SDG Number: Lea County NM

Login Number: 5037
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/18/2023 9:58:58 AM

JOB DESCRIPTION

WEU GM Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-5043-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

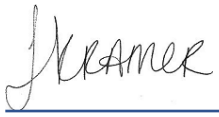
Eurofins Carlsbad

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



Generated
8/18/2023 9:58:58 AM

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

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

Laboratory Job ID: 890-5043-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-5043-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 890-5043-1
SDG: Lea County NM

Job ID: 890-5043-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5043-1

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: (CCV 880-60005/2), (MB 880-59954/5-A) and (MB 880-59996/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS03 (890-5043-3). 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: Surrogate recovery for the following sample was outside control limits: (MB 880-60317/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS01 (890-5043-1). 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 880-60422/20), (CCV 880-60422/31), (CCV 880-60422/5), (LCS 880-60317/2-A) and (LCSD 880-60317/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-60422 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60422/31).

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

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

Client Sample Results

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

Job ID: 890-5043-1
SDG: Lea County NM

Client Sample ID: FS01

Lab Sample ID: 890-5043-1
Matrix: Solid
Date Collected: 08/03/23 10:00
Date Received: 08/04/23 16:05
Sample Depth: 3

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 17:43	08/13/23 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/11/23 17:43*	*08/13/23 17:13*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/11/23 17:43*	*08/13/23 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		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	**331**		50.4		mg/Kg			08/18/23 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:33	08/17/23 18:37	1
Diesel Range Organics (Over C10-C28)	**331**		50.4		mg/Kg		08/15/23 16:33	08/17/23 18:37	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:33	08/17/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*08/15/23 16:33*	*08/17/23 18:37*	*1*
o-Terphenyl	*118*		*70 - 130*	*08/15/23 16:33*	*08/17/23 18:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**538**		4.95		mg/Kg			08/09/23 15:08	1

Client Sample ID: FS02

Lab Sample ID: 890-5043-2
Matrix: Solid
Date Collected: 08/03/23 10:05
Date Received: 08/04/23 16:05
Sample Depth: 3

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 17:43	08/13/23 17:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 17:43	08/13/23 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*08/11/23 17:43*	*08/13/23 17:38*	*1*

Client Sample Results

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

Job ID: 890-5043-1
SDG: Lea County NM

Client Sample ID: FS02

Lab Sample ID: 890-5043-2
Matrix: Solid
Date Collected: 08/03/23 10:05
Date Received: 08/04/23 16:05
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/11/23 17:43*	*08/13/23 17:38*	*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	**382**		50.2		mg/Kg			08/18/23 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:33	08/17/23 18:59	1
Diesel Range Organics (Over C10-C28)	**382**		50.2		mg/Kg		08/15/23 16:33	08/17/23 18:59	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:33	08/17/23 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*08/15/23 16:33*	*08/17/23 18:59*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/15/23 16:33*	*08/17/23 18:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**412**		4.97		mg/Kg			08/09/23 15:13	1

Client Sample ID: FS03

Lab Sample ID: 890-5043-3
Matrix: Solid
Date Collected: 08/03/23 10:10
Date Received: 08/04/23 16:05
Sample Depth: 3

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 17:43	08/13/23 18:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 17:43	08/13/23 18:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 17:43	08/13/23 18:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 17:43	08/13/23 18:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 17:43	08/13/23 18:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 17:43	08/13/23 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*08/11/23 17:43*	*08/13/23 18:04*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*08/11/23 17:43*	*08/13/23 18:04*	*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 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	**110**		49.9		mg/Kg			08/18/23 10:45	1

Client Sample Results

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

Job ID: 890-5043-1
SDG: Lea County NM

Client Sample ID: FS03

Lab Sample ID: 890-5043-3
Matrix: Solid
Date Collected: 08/03/23 10:10
Date Received: 08/04/23 16:05
Sample Depth: 3

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 16:33	08/17/23 19:20	1
Diesel Range Organics (Over C10-C28)	**110**		49.9		mg/Kg		08/15/23 16:33	08/17/23 19:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:33	08/17/23 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*08/15/23 16:33*	*08/17/23 19:20*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/15/23 16:33*	*08/17/23 19:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**813**		5.04		mg/Kg			08/09/23 15:36	1

Client Sample ID: FS04

Lab Sample ID: 890-5043-4
Matrix: Solid
Date Collected: 08/03/23 10:15
Date Received: 08/04/23 16:05
Sample Depth: 3

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 17:43	08/13/23 18:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 17:43	08/13/23 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/11/23 17:43*	*08/13/23 18:30*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/11/23 17:43*	*08/13/23 18:30*	*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 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	**1250**		49.7		mg/Kg			08/18/23 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 16:33	08/17/23 19:41	1
Diesel Range Organics (Over C10-C28)	**1250**		49.7		mg/Kg		08/15/23 16:33	08/17/23 19:41	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:33	08/17/23 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*08/15/23 16:33*	*08/17/23 19:41*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/15/23 16:33*	*08/17/23 19:41*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Job ID: 890-5043-1
Project/Site: WEU GM Battery
SDG: Lea County NM

Client Sample ID: FS04
Lab Sample ID: 890-5043-4
Date Collected: 08/03/23 10:15
Matrix: Solid
Date Received: 08/04/23 16:05
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		4.98		mg/Kg			08/09/23 15:53	1

Surrogate Summary

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

Job ID: 890-5043-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-31958-A-1-E MS	Matrix Spike	95	82
880-31958-A-1-F MSD	Matrix Spike Duplicate	100	79
890-5043-1	FS01	109	88
890-5043-2	FS02	110	83
890-5043-3	FS03	102	67 S1-
890-5043-4	FS04	114	87
LCS 880-59996/1-A	Lab Control Sample	110	98
LCSD 880-59996/2-A	Lab Control Sample Dup	87	78
MB 880-59954/5-A	Method Blank	55 S1-	71
MB 880-59996/5-A	Method Blank	53 S1-	70

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5035-A-1-D MS	Matrix Spike	123	90
890-5035-A-1-E MSD	Matrix Spike Duplicate	128	93
890-5043-1	FS01	142 S1+	118
890-5043-2	FS02	129	104
890-5043-3	FS03	115	94
890-5043-4	FS04	130	104
LCS 880-60317/2-A	Lab Control Sample	132 S1+	110
LCSD 880-60317/3-A	Lab Control Sample Dup	143 S1+	119
MB 880-60317/1-A	Method Blank	149 S1+	121

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 890-5043-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59954/5-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:55	08/12/23 19:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:55	08/12/23 19:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:55	08/12/23 19:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 14:55	08/12/23 19:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:55	08/12/23 19:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 14:55	08/12/23 19:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*	*S1-*	*70 - 130*	*08/11/23 14:55*	*08/12/23 19:18*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*08/11/23 14:55*	*08/12/23 19:18*	*1*

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: LCS 880-59996/1-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1223		mg/Kg		122	70 - 130
Toluene	0.100	0.1232		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1287		mg/Kg		129	70 - 130
m-Xylene & p-Xylene	0.200	0.2467		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1258		mg/Kg		126	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-59996/2-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59996

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1048		mg/Kg		105	70 - 130	15	35

QC Sample Results

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

Job ID: 890-5043-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-59996/2-A
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59996

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1163		mg/Kg		116	70 - 130	6	35
Ethylbenzene			0.100	0.1173		mg/Kg		117	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2267		mg/Kg		113	70 - 130	8	35
o-Xylene			0.100	0.1179		mg/Kg		118	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: 880-31958-A-1-E MS
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 59996

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.1048		mg/Kg		105	70 - 130
Toluene	<0.00198	U	0.0996	0.1098		mg/Kg		110	70 - 130
Ethylbenzene	<0.00198	U	0.0996	0.1116		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.199	0.2197		mg/Kg		110	70 - 130
o-Xylene	<0.00198	U	0.0996	0.1114		mg/Kg		112	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: 880-31958-A-1-F MSD
Matrix: Solid
Analysis Batch: 60005

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 59996

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.1090		mg/Kg		109	70 - 130	4	35
Toluene	<0.00198	U	0.0998	0.1096		mg/Kg		110	70 - 130	0	35
Ethylbenzene	<0.00198	U	0.0998	0.1100		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.2200		mg/Kg		110	70 - 130	0	35
o-Xylene	<0.00198	U	0.0998	0.1109		mg/Kg		111	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

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

Lab Sample ID: MB 880-60317/1-A
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60317

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 16:33	08/17/23 10:56	1

QC Sample Results

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

Job ID: 890-5043-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60317/1-A
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60317

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*08/15/23 16:33*	*08/17/23 10:56*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/15/23 16:33*	*08/17/23 10:56*	*1*

Lab Sample ID: LCS 880-60317/2-A
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60317

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	939.2		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	943.8		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: LCSD 880-60317/3-A
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60317

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	889.1		mg/Kg		89	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	909.6		mg/Kg		91	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*143*	*S1+*	*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: 890-5035-A-1-D MS
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	901.9		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1008		mg/Kg		101	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

QC Sample Results

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

Job ID: 890-5043-1
SDG: Lea County NM

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

Lab Sample ID: 890-5035-A-1-E MSD
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60317

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	<50.3	U	998	888.7		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1042		mg/Kg		104	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59540/1-A
Matrix: Solid
Analysis Batch: 59747

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 13:43	1

Lab Sample ID: LCS 880-59540/2-A
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.1		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-59540/3-A
Matrix: Solid
Analysis Batch: 59747

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	225.3		mg/Kg		90	90 - 110	0	20

Lab Sample ID: 890-5043-3 MS
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: FS03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	813		252	1064		mg/Kg		100	90 - 110

Lab Sample ID: 890-5043-3 MSD
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: FS03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	813		252	1065		mg/Kg		100	90 - 110	0	20

QC Association Summary

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

Job ID: 890-5043-1
SDG: Lea County NM

GC VOA

Prep Batch: 59954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59954/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 59996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Total/NA	Solid	5035	
890-5043-2	FS02	Total/NA	Solid	5035	
890-5043-3	FS03	Total/NA	Solid	5035	
890-5043-4	FS04	Total/NA	Solid	5035	
MB 880-59996/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59996/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59996/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31958-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-31958-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 60005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Total/NA	Solid	8021B	59996
890-5043-2	FS02	Total/NA	Solid	8021B	59996
890-5043-3	FS03	Total/NA	Solid	8021B	59996
890-5043-4	FS04	Total/NA	Solid	8021B	59996
MB 880-59954/5-A	Method Blank	Total/NA	Solid	8021B	59954
MB 880-59996/5-A	Method Blank	Total/NA	Solid	8021B	59996
LCS 880-59996/1-A	Lab Control Sample	Total/NA	Solid	8021B	59996
LCSD 880-59996/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59996
880-31958-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	59996
880-31958-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59996

Analysis Batch: 60135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Total/NA	Solid	Total BTEX	
890-5043-2	FS02	Total/NA	Solid	Total BTEX	
890-5043-3	FS03	Total/NA	Solid	Total BTEX	
890-5043-4	FS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Total/NA	Solid	8015NM Prep	
890-5043-2	FS02	Total/NA	Solid	8015NM Prep	
890-5043-3	FS03	Total/NA	Solid	8015NM Prep	
890-5043-4	FS04	Total/NA	Solid	8015NM Prep	
MB 880-60317/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60317/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5035-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5035-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Total/NA	Solid	8015B NM	60317

QC Association Summary

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

Job ID: 890-5043-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 60422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-2	FS02	Total/NA	Solid	8015B NM	60317
890-5043-3	FS03	Total/NA	Solid	8015B NM	60317
890-5043-4	FS04	Total/NA	Solid	8015B NM	60317
MB 880-60317/1-A	Method Blank	Total/NA	Solid	8015B NM	60317
LCS 880-60317/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60317
LCSD 880-60317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60317
890-5035-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	60317
890-5035-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60317

Analysis Batch: 60568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Total/NA	Solid	8015 NM	
890-5043-2	FS02	Total/NA	Solid	8015 NM	
890-5043-3	FS03	Total/NA	Solid	8015 NM	
890-5043-4	FS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Soluble	Solid	DI Leach	
890-5043-2	FS02	Soluble	Solid	DI Leach	
890-5043-3	FS03	Soluble	Solid	DI Leach	
890-5043-4	FS04	Soluble	Solid	DI Leach	
MB 880-59540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5043-3 MS	FS03	Soluble	Solid	DI Leach	
890-5043-3 MSD	FS03	Soluble	Solid	DI Leach	

Analysis Batch: 59747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5043-1	FS01	Soluble	Solid	300.0	59540
890-5043-2	FS02	Soluble	Solid	300.0	59540
890-5043-3	FS03	Soluble	Solid	300.0	59540
890-5043-4	FS04	Soluble	Solid	300.0	59540
MB 880-59540/1-A	Method Blank	Soluble	Solid	300.0	59540
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	300.0	59540
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59540
890-5043-3 MS	FS03	Soluble	Solid	300.0	59540
890-5043-3 MSD	FS03	Soluble	Solid	300.0	59540

Lab Chronicle

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

Job ID: 890-5043-1
SDG: Lea County NM

Client Sample ID: FS01

Lab Sample ID: 890-5043-1
Matrix: Solid
Date Collected: 08/03/23 10:00
Date Received: 08/04/23 16:05

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	59996	08/11/23 17:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 17:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60135	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60568	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 18:37	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:08	CH	EET MID

Client Sample ID: FS02

Lab Sample ID: 890-5043-2
Matrix: Solid
Date Collected: 08/03/23 10:05
Date Received: 08/04/23 16:05

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	59996	08/11/23 17:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 17:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60135	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60568	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 18:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:13	CH	EET MID

Client Sample ID: FS03

Lab Sample ID: 890-5043-3
Matrix: Solid
Date Collected: 08/03/23 10:10
Date Received: 08/04/23 16:05

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	59996	08/11/23 17:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 18:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60135	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60568	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 19:20	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:36	CH	EET MID

Client Sample ID: FS04

Lab Sample ID: 890-5043-4
Matrix: Solid
Date Collected: 08/03/23 10:15
Date Received: 08/04/23 16:05

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	59996	08/11/23 17:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 18:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60135	08/14/23 15:21	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-5043-1
SDG: Lea County NM

Client Sample ID: FS04

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

Lab Sample ID: 890-5043-4

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			60568	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 19:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:53	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: 890-5043-1
Project/Site: WEU GM 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
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 890-5043-1
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 GM Battery

Job ID: 890-5043-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5043-1	FS01	Solid	08/03/23 10:00	08/04/23 16:05	3
890-5043-2	FS02	Solid	08/03/23 10:05	08/04/23 16:05	3
890-5043-3	FS03	Solid	08/03/23 10:10	08/04/23 16:05	3
890-5043-4	FS04	Solid	08/03/23 10:15	08/04/23 16:05	3

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 1 of 1

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 GM Battery	Turn Around	
Project Number:	18341	☑ 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:	IR#007
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
FS01	s	8/3/2023	10:00	3'	C	1		X	X	X
FS02	s	8/3/2023	10:05	3'	C	1		X	X	X
FS03	s	8/3/2023	10:10	3'	C	1		X	X	X
FS04	s	8/3/2023	10:15	3'	C	1		X	X	X

890-5043 Chain of Custody

Sample Comments

Incident ID:
nAPP2228734147

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: 890-5043-1
SDG Number: Lea County NM

Login Number: 5043
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: 890-5043-1
SDG Number: Lea County NM

Login Number: 5043
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/14/2023 2:58:42 PM

JOB DESCRIPTION

WEU GM Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-5040-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

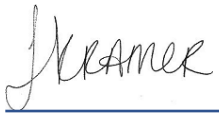
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/14/2023 2:58:42 PM

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

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

Laboratory Job ID: 890-5040-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-5040-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 GM Battery

Job ID: 890-5040-1
SDG: Lea County NM

Job ID: 890-5040-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5040-1

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

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: FS05 (890-5040-1).

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

GC Semi VOA
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-59649 and analytical batch 880-59688 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

Client Sample Results

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

Job ID: 890-5040-1
SDG: Lea County NM

Client Sample ID: FS05

Date Collected: 08/03/23 10:20
Date Received: 08/04/23 16:05
Sample Depth: 3

Lab Sample ID: 890-5040-1

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 09:44	08/14/23 00:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 09:44	08/14/23 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/11/23 09:44*	*08/14/23 00:07*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*08/11/23 09:44*	*08/14/23 00:07*	*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 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**499**		49.8		mg/Kg			08/09/23 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	49.8		mg/Kg		08/08/23 15:08	08/09/23 13:58	1
Diesel Range Organics (Over C10-C28)	**499**		49.8		mg/Kg		08/08/23 15:08	08/09/23 13:58	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/23 15:08	08/09/23 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*08/08/23 15:08*	*08/09/23 13:58*	*1*
o-Terphenyl	*83*		*70 - 130*	*08/08/23 15:08*	*08/09/23 13:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**		5.04		mg/Kg			08/09/23 14:56	1

Surrogate Summary

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

Job ID: 890-5040-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-31677-A-1-D MS	Matrix Spike	121	99										
880-31677-A-1-E MSD	Matrix Spike Duplicate	100	100										
890-5040-1	FS05	86	112										
LCS 880-59909/1-A	Lab Control Sample	85	96										
LCSD 880-59909/2-A	Lab Control Sample Dup	87	103										
MB 880-59909/5-A	Method Blank	71	95										
MB 880-60008/39	Method Blank	79	91										

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)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-5013-A-1-H MS	Matrix Spike	84	72										
890-5013-A-1-I MSD	Matrix Spike Duplicate	85	72										
890-5040-1	FS05	79	83										
LCS 880-59649/2-A	Lab Control Sample	95	92										
LCSD 880-59649/3-A	Lab Control Sample Dup	86	80										
MB 880-59649/1-A	Method Blank	70	73										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 890-5040-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59909/5-A
Matrix: Solid
Analysis Batch: 60008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/23 09:44	08/13/23 16:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 09:44	08/13/23 16:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 09:44	08/13/23 16:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 09:44	08/13/23 16:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 09:44	08/13/23 16:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 09:44	08/13/23 16:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*08/11/23 09:44*	*08/13/23 16:07*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/11/23 09:44*	*08/13/23 16:07*	*1*

Lab Sample ID: LCS 880-59909/1-A
Matrix: Solid
Analysis Batch: 60008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1161		mg/Kg		116	70 - 130
Toluene	0.100	0.1036		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.08235		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1770		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08752		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-59909/2-A
Matrix: Solid
Analysis Batch: 60008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59909

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1192		mg/Kg		119	70 - 130	3	35
Toluene	0.100	0.1048		mg/Kg		105	70 - 130	1	35
Ethylbenzene	0.100	0.08495		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1818		mg/Kg		91	70 - 130	3	35
o-Xylene	0.100	0.09104		mg/Kg		91	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-31677-A-1-D MS
Matrix: Solid
Analysis Batch: 60008

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 59909

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.1056		mg/Kg		105	70 - 130
Toluene	0.00833		0.0996	0.1173		mg/Kg		109	70 - 130

QC Sample Results

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

Job ID: 890-5040-1
SDG: Lea County NM

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

Lab Sample ID: 880-31677-A-1-D MS
Matrix: Solid
Analysis Batch: 60008

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 59909

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0116		0.0996	0.1111		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.0196		0.199	0.2577		mg/Kg		120	70 - 130
o-Xylene	0.0106		0.0996	0.1310		mg/Kg		121	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-31677-A-1-E MSD
Matrix: Solid
Analysis Batch: 60008

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 59909

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.1078		mg/Kg		106	70 - 130	2	35
Toluene	0.00833		0.101	0.1109		mg/Kg		102	70 - 130	6	35
Ethylbenzene	0.0116		0.101	0.09542		mg/Kg		83	70 - 130	15	35
m-Xylene & p-Xylene	0.0196		0.202	0.2070		mg/Kg		93	70 - 130	22	35
o-Xylene	0.0106		0.101	0.1049		mg/Kg		94	70 - 130	22	35

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

Lab Sample ID: MB 880-60008/39
Matrix: Solid
Analysis Batch: 60008

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			08/13/23 05:23	1
Toluene	<0.00200	U	0.00200		mg/Kg			08/13/23 05:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			08/13/23 05:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			08/13/23 05:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			08/13/23 05:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			08/13/23 05:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*08/13/23 05:23*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*08/13/23 05:23*	*1*

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

Lab Sample ID: MB 880-59649/1-A
Matrix: Solid
Analysis Batch: 59688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59649

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		08/08/23 15:08	08/09/23 07:43	1

QC Sample Results

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

Job ID: 890-5040-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-59649/1-A
Matrix: Solid
Analysis Batch: 59688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/23 15:08	08/09/23 07:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/23 15:08	08/09/23 07:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*08/08/23 15:08*	*08/09/23 07:43*	*1*
o-Terphenyl	*73*		*70 - 130*	*08/08/23 15:08*	*08/09/23 07:43*	*1*

Lab Sample ID: LCS 880-59649/2-A
Matrix: Solid
Analysis Batch: 59688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	682.9	*-	mg/Kg		68	70 - 130
Diesel Range Organics (Over C10-C28)	1000	846.5		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-59649/3-A
Matrix: Solid
Analysis Batch: 59688

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59649

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	685.2	*-	mg/Kg		69	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	808.7		mg/Kg		81	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: 890-5013-A-1-H MS
Matrix: Solid
Analysis Batch: 59688

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 59649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *-	993	730.9		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	195		993	1030		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*72*		*70 - 130*

QC Sample Results

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

Job ID: 890-5040-1
SDG: Lea County NM

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

Lab Sample ID: 890-5013-A-1-I MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 59688 — **Prep Batch: 59649**

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	<50.3	U *-	993	753.7		mg/Kg		76	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	195		993	1046		mg/Kg		86	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*72*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59540/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 59747

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/09/23 13:43	1

Lab Sample ID: LCS 880-59540/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 59747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.1		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-59540/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 59747

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	225.3		mg/Kg		90	90 - 110	0	20

Lab Sample ID: 890-5036-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 59747

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1070		251	1297	4	mg/Kg		91	90 - 110

Lab Sample ID: 890-5036-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 59747

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1070		251	1300	4	mg/Kg		92	90 - 110	0	20

QC Association Summary

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

Job ID: 890-5040-1
SDG: Lea County NM

GC VOA

Prep Batch: 59909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Total/NA	Solid	5035	
MB 880-59909/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59909/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59909/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31677-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-31677-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 60008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Total/NA	Solid	8021B	59909
MB 880-59909/5-A	Method Blank	Total/NA	Solid	8021B	59909
MB 880-60008/39	Method Blank	Total/NA	Solid	8021B	
LCS 880-59909/1-A	Lab Control Sample	Total/NA	Solid	8021B	59909
LCSD 880-59909/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59909
880-31677-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	59909
880-31677-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59909

Analysis Batch: 60106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Total/NA	Solid	8015NM Prep	
MB 880-59649/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59649/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59649/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5013-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5013-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Total/NA	Solid	8015B NM	59649
MB 880-59649/1-A	Method Blank	Total/NA	Solid	8015B NM	59649
LCS 880-59649/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59649
LCSD 880-59649/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59649
890-5013-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	59649
890-5013-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59649

Analysis Batch: 59791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Soluble	Solid	DI Leach	
MB 880-59540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

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

Job ID: 890-5040-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 59540 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5036-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-5036-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 59747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5040-1	FS05	Soluble	Solid	300.0	59540
MB 880-59540/1-A	Method Blank	Soluble	Solid	300.0	59540
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	300.0	59540
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59540
890-5036-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	59540
890-5036-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59540

Lab Chronicle

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

Job ID: 890-5040-1
SDG: Lea County NM

Client Sample ID: FS05

Date Collected: 08/03/23 10:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5040-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59909	08/11/23 09:44	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60008	08/14/23 00:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60106	08/14/23 11:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			59791	08/09/23 18:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59649	08/08/23 15:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59688	08/09/23 13:58	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:56	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
Project/Site: WEU GM Battery

Job ID: 890-5040-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 890-5040-1
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 GM Battery

Job ID: 890-5040-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5040-1	FS05	Solid	08/03/23 10:20	08/04/23 16:05	3

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 1 of 1

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 GM Battery	Turn Around	
Project Number:	18341	☑ 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:	IR007
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
FS05	s	8/3/2023	10:20	3'	C	1		X	X	X

ANALYSIS REQUEST / Parameters

890-5040 Chain of Custody

Sample Comments

Incident ID:
nAPP2228734147

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			
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5040-1
SDG Number: Lea County NM

Login Number: 5040
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: 890-5040-1
SDG Number: Lea County NM

Login Number: 5040
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/18/2023 9:59:30 AM

JOB DESCRIPTION

WEU GM Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-5044-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

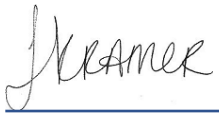
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/18/2023 9:59:30 AM

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

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

Laboratory Job ID: 890-5044-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-5044-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 890-5044-1
SDG: Lea County NM

Job ID: 890-5044-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5044-1

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 sample was outside control limits: (CCV 880-60007/20). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-31714-A-1-E MS) and (880-31714-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-59979 and 880-60011 and analytical batch 880-60007 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: The continuing calibration verification (CCV) associated with batch 880-60007 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60007/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-60011/1-A) and (LCSD 880-60011/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-60011 and analytical batch 880-60007 recovered outside control limits for the following analytes: m-Xylene & p-Xylene and o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-60011 and analytical batch 880-60007 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-60317/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS08 (890-5044-3). 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 880-60422/20), (CCV 880-60422/31), (CCV 880-60422/5), (LCS 880-60317/2-A) and (LCSD 880-60317/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-60422 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60422/31).

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

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

Case Narrative

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

Job ID: 890-5044-1
SDG: Lea County NM

Job ID: 890-5044-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Client Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

Client Sample ID: FS06

Lab Sample ID: 890-5044-1
Matrix: Solid
Date Collected: 08/03/23 10:30
Date Received: 08/04/23 16:05
Sample Depth: 3

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 14:49	08/13/23 10:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		08/12/23 14:49	08/13/23 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*08/12/23 14:49*	*08/13/23 10:48*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/12/23 14:49*	*08/13/23 10:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**295**		50.3		mg/Kg			08/18/23 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:33	08/17/23 20:03	1
Diesel Range Organics (Over C10-C28)	**295**		50.3		mg/Kg		08/15/23 16:33	08/17/23 20:03	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:33	08/17/23 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*08/15/23 16:33*	*08/17/23 20:03*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/15/23 16:33*	*08/17/23 20:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**976**		4.99		mg/Kg			08/09/23 15:59	1

Client Sample ID: FS07

Lab Sample ID: 890-5044-2
Matrix: Solid
Date Collected: 08/03/23 10:35
Date Received: 08/04/23 16:05
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		08/12/23 14:49	08/13/23 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/12/23 14:49*	*08/13/23 11:08*	*1*

Client Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

Client Sample ID: FS07

Lab Sample ID: 890-5044-2
Matrix: Solid
Date Collected: 08/03/23 10:35
Date Received: 08/04/23 16:05
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/12/23 14:49*	*08/13/23 11:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**363**		50.5		mg/Kg			08/18/23 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/15/23 16:33	08/17/23 20:24	1
Diesel Range Organics (Over C10-C28)	**363**		50.5		mg/Kg		08/15/23 16:33	08/17/23 20:24	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:33	08/17/23 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*08/15/23 16:33*	*08/17/23 20:24*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/15/23 16:33*	*08/17/23 20:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**501**		5.01		mg/Kg			08/09/23 16:16	1

Client Sample ID: FS08

Lab Sample ID: 890-5044-3
Matrix: Solid
Date Collected: 08/03/23 10:40
Date Received: 08/04/23 16:05
Sample Depth: 3

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		08/12/23 14:49	08/13/23 11:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		08/12/23 14:49	08/13/23 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*08/12/23 14:49*	*08/13/23 11:29*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*08/12/23 14:49*	*08/13/23 11:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**391**		50.0		mg/Kg			08/18/23 10:45	1

Client Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

Client Sample ID: FS08

Lab Sample ID: 890-5044-3
Matrix: Solid
Date Collected: 08/03/23 10:40
Date Received: 08/04/23 16:05
Sample Depth: 3

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 16:33	08/17/23 20:45	1
Diesel Range Organics (Over C10-C28)	**391**		50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*08/15/23 16:33*	*08/17/23 20:45*	*1*
o-Terphenyl	*113*		*70 - 130*	*08/15/23 16:33*	*08/17/23 20:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1870**		25.0		mg/Kg			08/09/23 16:21	5

Client Sample ID: FS09

Lab Sample ID: 890-5044-4
Matrix: Solid
Date Collected: 08/03/23 10:45
Date Received: 08/04/23 16:05
Sample Depth: 3

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		08/12/23 14:49	08/13/23 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		08/12/23 14:49	08/13/23 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/12/23 14:49*	*08/13/23 11:50*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/12/23 14:49*	*08/13/23 11:50*	*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 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**966**		49.9		mg/Kg			08/18/23 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:33	08/17/23 21:06	1
Diesel Range Organics (Over C10-C28)	**966**		49.9		mg/Kg		08/15/23 16:33	08/17/23 21:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:33	08/17/23 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*08/15/23 16:33*	*08/17/23 21:06*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/15/23 16:33*	*08/17/23 21:06*	*1*

Client Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

Client Sample ID: FS09

Lab Sample ID: 890-5044-4
Matrix: Solid
Date Collected: 08/03/23 10:45
Date Received: 08/04/23 16:05
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**310**		5.00		mg/Kg			08/09/23 16:27	1

Client Sample ID: FS10

Lab Sample ID: 890-5044-5
Matrix: Solid
Date Collected: 08/03/23 10:50
Date Received: 08/04/23 16:05
Sample Depth: 3

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		08/12/23 14:49	08/13/23 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		08/12/23 14:49	08/13/23 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*08/12/23 14:49*	*08/13/23 12:10*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/12/23 14:49*	*08/13/23 12:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/14/23 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**175**		49.6		mg/Kg			08/18/23 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:33	08/17/23 21:27	1
Diesel Range Organics (Over C10-C28)	**175**		49.6		mg/Kg		08/15/23 16:33	08/17/23 21:27	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:33	08/17/23 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*08/15/23 16:33*	*08/17/23 21:27*	*1*
o-Terphenyl	*99*		*70 - 130*	*08/15/23 16:33*	*08/17/23 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**892**		4.97		mg/Kg			08/09/23 16:33	1

Surrogate Summary

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

Job ID: 890-5044-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-31714-A-1-E MS	Matrix Spike	140 S1+	116
880-31714-A-1-F MSD	Matrix Spike Duplicate	161 S1+	99
890-5044-1	FS06	84	74
890-5044-2	FS07	90	78
890-5044-3	FS08	80	70
890-5044-4	FS09	86	74
890-5044-5	FS10	84	80
LCS 880-60011/1-A	Lab Control Sample	136 S1+	115
LCSD 880-60011/2-A	Lab Control Sample Dup	137 S1+	112
MB 880-59979/5-A	Method Blank	70	82
MB 880-60011/5-A	Method Blank	72	83

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5035-A-1-D MS	Matrix Spike	123	90
890-5035-A-1-E MSD	Matrix Spike Duplicate	128	93
890-5044-1	FS06	125	100
890-5044-2	FS07	119	96
890-5044-3	FS08	135 S1+	113
890-5044-4	FS09	124	95
890-5044-5	FS10	123	99
LCS 880-60317/2-A	Lab Control Sample	132 S1+	110
LCSD 880-60317/3-A	Lab Control Sample Dup	143 S1+	119
MB 880-60317/1-A	Method Blank	149 S1+	121

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59979/5-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 16:10	08/12/23 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 16:10	08/12/23 18:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 16:10	08/12/23 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 16:10	08/12/23 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 16:10	08/12/23 18:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 16:10	08/12/23 18:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*08/11/23 16:10*	*08/12/23 18:42*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/11/23 16:10*	*08/12/23 18:42*	*1*

Lab Sample ID: MB 880-60011/5-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60011

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:49	08/13/23 05:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*08/12/23 14:49*	*08/13/23 05:17*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/12/23 14:49*	*08/13/23 05:17*	*1*

Lab Sample ID: LCS 880-60011/1-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60011

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1084		mg/Kg		108	70 - 130
Toluene	0.100	0.1168		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1287		mg/Kg		129	70 - 130
m-Xylene & p-Xylene	0.200	0.2904	*+	mg/Kg		145	70 - 130
o-Xylene	0.100	0.1426	*+	mg/Kg		143	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-60011/2-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60011

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	2	35

QC Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-60011/2-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60011

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1174		mg/Kg		117	70 - 130	1	35
Ethylbenzene			0.100	0.1281		mg/Kg		128	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2870	*+	mg/Kg		144	70 - 130	1	35
o-Xylene			0.100	0.1419	*+	mg/Kg		142	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-31714-A-1-E MS
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60011

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F1	0.0996	0.08296		mg/Kg		82	70 - 130
Toluene	<0.00198	U	0.0996	0.07284		mg/Kg		73	70 - 130
Ethylbenzene	<0.00198	U F1 F2	0.0996	0.05964	F1	mg/Kg		60	70 - 130
m-Xylene & p-Xylene	<0.00396	U F1 *+ F2	0.199	0.1375	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00198	U F1 *+	0.0996	0.06697	F1	mg/Kg		67	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-31714-A-1-F MSD
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60011

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.101	0.06894	F1	mg/Kg		67	70 - 130	18	35
Toluene	<0.00198	U	0.101	0.08085		mg/Kg		80	70 - 130	10	35
Ethylbenzene	<0.00198	U F1 F2	0.101	0.03336	F1 F2	mg/Kg		33	70 - 130	57	35
m-Xylene & p-Xylene	<0.00396	U F1 *+ F2	0.202	0.07715	F1 F2	mg/Kg		38	70 - 130	56	35
o-Xylene	<0.00198	U F1 *+	0.101	0.04849	F1	mg/Kg		48	70 - 130	32	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

QC Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-60317/1-A
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60317

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 16:33	08/17/23 10:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*08/15/23 16:33*	*08/17/23 10:56*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/15/23 16:33*	*08/17/23 10:56*	*1*

Lab Sample ID: LCS 880-60317/2-A
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	939.2		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	943.8		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: LCSD 880-60317/3-A
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60317

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	889.1		mg/Kg		89	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	909.6		mg/Kg		91	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*143*	*S1+*	*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: 890-5035-A-1-D MS
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	901.9		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1008		mg/Kg		101	70 - 130

QC Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

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

Lab Sample ID: 890-5035-A-1-D MS
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60317

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-5035-A-1-E MSD
Matrix: Solid
Analysis Batch: 60422

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60317

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	<50.3	U	998	888.7		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1042		mg/Kg		104	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	93		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59540/1-A
Matrix: Solid
Analysis Batch: 59747

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 13:43	1

Lab Sample ID: LCS 880-59540/2-A
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.1		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-59540/3-A
Matrix: Solid
Analysis Batch: 59747

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	225.3		mg/Kg		90	90 - 110	0	20

Lab Sample ID: 890-5043-A-3-B MS
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	813		252	1064		mg/Kg		100	90 - 110

QC Sample Results

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

Job ID: 890-5044-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5043-A-3-C MSD
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	813		252	1065		mg/Kg		100	90 - 110	0	20

QC Association Summary

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

Job ID: 890-5044-1
SDG: Lea County NM

GC VOA

Prep Batch: 59979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59979/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 60007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8021B	60011
890-5044-2	FS07	Total/NA	Solid	8021B	60011
890-5044-3	FS08	Total/NA	Solid	8021B	60011
890-5044-4	FS09	Total/NA	Solid	8021B	60011
890-5044-5	FS10	Total/NA	Solid	8021B	60011
MB 880-59979/5-A	Method Blank	Total/NA	Solid	8021B	59979
MB 880-60011/5-A	Method Blank	Total/NA	Solid	8021B	60011
LCS 880-60011/1-A	Lab Control Sample	Total/NA	Solid	8021B	60011
LCSD 880-60011/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60011
880-31714-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	60011
880-31714-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60011

Prep Batch: 60011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	5035	
890-5044-2	FS07	Total/NA	Solid	5035	
890-5044-3	FS08	Total/NA	Solid	5035	
890-5044-4	FS09	Total/NA	Solid	5035	
890-5044-5	FS10	Total/NA	Solid	5035	
MB 880-60011/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60011/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60011/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31714-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-31714-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 60131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	Total BTEX	
890-5044-2	FS07	Total/NA	Solid	Total BTEX	
890-5044-3	FS08	Total/NA	Solid	Total BTEX	
890-5044-4	FS09	Total/NA	Solid	Total BTEX	
890-5044-5	FS10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8015NM Prep	
890-5044-2	FS07	Total/NA	Solid	8015NM Prep	
890-5044-3	FS08	Total/NA	Solid	8015NM Prep	
890-5044-4	FS09	Total/NA	Solid	8015NM Prep	
890-5044-5	FS10	Total/NA	Solid	8015NM Prep	
MB 880-60317/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60317/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5035-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5035-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

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

Job ID: 890-5044-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 60422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8015B NM	60317
890-5044-2	FS07	Total/NA	Solid	8015B NM	60317
890-5044-3	FS08	Total/NA	Solid	8015B NM	60317
890-5044-4	FS09	Total/NA	Solid	8015B NM	60317
890-5044-5	FS10	Total/NA	Solid	8015B NM	60317
MB 880-60317/1-A	Method Blank	Total/NA	Solid	8015B NM	60317
LCS 880-60317/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60317
LCSD 880-60317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60317
890-5035-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	60317
890-5035-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60317

Analysis Batch: 60569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8015 NM	
890-5044-2	FS07	Total/NA	Solid	8015 NM	
890-5044-3	FS08	Total/NA	Solid	8015 NM	
890-5044-4	FS09	Total/NA	Solid	8015 NM	
890-5044-5	FS10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Soluble	Solid	DI Leach	
890-5044-2	FS07	Soluble	Solid	DI Leach	
890-5044-3	FS08	Soluble	Solid	DI Leach	
890-5044-4	FS09	Soluble	Solid	DI Leach	
890-5044-5	FS10	Soluble	Solid	DI Leach	
MB 880-59540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5043-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-5043-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 59747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Soluble	Solid	300.0	59540
890-5044-2	FS07	Soluble	Solid	300.0	59540
890-5044-3	FS08	Soluble	Solid	300.0	59540
890-5044-4	FS09	Soluble	Solid	300.0	59540
890-5044-5	FS10	Soluble	Solid	300.0	59540
MB 880-59540/1-A	Method Blank	Soluble	Solid	300.0	59540
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	300.0	59540
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59540
890-5043-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	59540
890-5043-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59540

Lab Chronicle

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

Job ID: 890-5044-1
SDG: Lea County NM

Client Sample ID: FS06

Date Collected: 08/03/23 10:30
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5044-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 10:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 20:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:59	CH	EET MID

Client Sample ID: FS07

Date Collected: 08/03/23 10:35
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5044-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 11:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 20:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 16:16	CH	EET MID

Client Sample ID: FS08

Date Collected: 08/03/23 10:40
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5044-3

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			4.98 g	5 mL	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 11:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 20:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		5			59747	08/09/23 16:21	CH	EET MID

Client Sample ID: FS09

Date Collected: 08/03/23 10:45
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5044-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 11:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Job ID: 890-5044-1
Project/Site: WEU GM Battery
SDG: Lea County NM

Client Sample ID: FS09
Lab Sample ID: 890-5044-4
Date Collected: 08/03/23 10:45
Matrix: Solid
Date Received: 08/04/23 16:05

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			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 21:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 16:27	CH	EET MID

Client Sample ID: FS10
Lab Sample ID: 890-5044-5
Date Collected: 08/03/23 10:50
Matrix: Solid
Date Received: 08/04/23 16:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 12:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 21:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 16:33	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
Project/Site: WEU GM Battery

Job ID: 890-5044-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 890-5044-1
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 GM Battery

Job ID: 890-5044-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5044-1	FS06	Solid	08/03/23 10:30	08/04/23 16:05	3
890-5044-2	FS07	Solid	08/03/23 10:35	08/04/23 16:05	4
890-5044-3	FS08	Solid	08/03/23 10:40	08/04/23 16:05	3
890-5044-4	FS09	Solid	08/03/23 10:45	08/04/23 16:05	3
890-5044-5	FS10	Solid	08/03/23 10:50	08/04/23 16:05	3

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 1 of 1

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 GM Battery	Turn Around	
Project Number:	18341	☑ 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:	IR#087
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
FS06	s	8/3/2023	10:30	3'	C	1		X	X	X
FS07	s	8/3/2023	10:35	4'	C	1		X	X	X
FS08	s	8/3/2023	10:40	3'	C	1		X	X	X
FS09	s	8/3/2023	10:45	3'	C	1		X	X	X
FS10	s	8/3/2023	10:50	3'	C	1		X	X	X

890-5044 Chain of Custody

Sample Comments

Incident ID:
nAPP2228734147

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			
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5044-1
SDG Number: Lea County NM

Login Number: 5044
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: 890-5044-1
SDG Number: Lea County NM

Login Number: 5044
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/18/2023 9:34:06 AM

JOB DESCRIPTION

WEU GM Baterry
SDG NUMBER Lea County NM

JOB NUMBER

890-5036-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

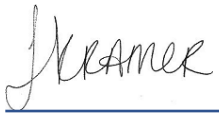
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/18/2023 9:34:06 AM

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

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Laboratory Job ID: 890-5036-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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 GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Job ID: 890-5036-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5036-1

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

Receipt Exceptions
The following were received and analyzed from an unpreserved bulk soil jar: SW01 (890-5036-1), SW02 (890-5036-2), SW03 (890-5036-3), SW04 (890-5036-4), SW05 (890-5036-5) and SW06 (890-5036-6).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SW05 (890-5036-5) and (880-31972-A-1-C). 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 880-60006 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated samples are impacted: (CCV 880-60006/33) and (CCV 880-60006/95).

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-60012/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The method blank for preparation batch 880-60011 and analytical batch 880-60007 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: The continuing calibration verification (CCV) associated with batch 880-60007 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60007/33).

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60424/5) and (LCSD 880-60324/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60424/20) and (CCV 880-60424/31). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Client Sample ID: SW01

Lab Sample ID: 890-5036-1
Matrix: Solid
Date Collected: 08/03/23 11:00
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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 14:51	08/13/23 22:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/12/23 14:51	08/13/23 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*08/12/23 14:51*	*08/13/23 22:50*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*08/12/23 14:51*	*08/13/23 22:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/14/23 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**302**		50.2		mg/Kg			08/18/23 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:47	08/17/23 21:27	1
Diesel Range Organics (Over C10-C28)	**302**		50.2		mg/Kg		08/15/23 16:47	08/17/23 21:27	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:47	08/17/23 21:27	1
Total TPH	**302**		50.2		mg/Kg		08/15/23 16:47	08/17/23 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/15/23 16:47*	*08/17/23 21:27*	*1*
o-Terphenyl	*127*		*70 - 130*	*08/15/23 16:47*	*08/17/23 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1070**		5.02		mg/Kg			08/09/23 14:00	1

Client Sample ID: SW02

Lab Sample ID: 890-5036-2
Matrix: Solid
Date Collected: 08/03/23 11:05
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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 14:51	08/13/23 23:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:51	08/13/23 23:10	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Client Sample ID: SW02

Lab Sample ID: 890-5036-2
Matrix: Solid
Date Collected: 08/03/23 11:05
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/12/23 14:51*	*08/13/23 23:10*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*08/12/23 14:51*	*08/13/23 23:10*	*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 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**767**		50.4		mg/Kg			08/18/23 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1
Diesel Range Organics (Over C10-C28)	**684**		50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1
Oil Range Organics (Over C28-C36)	**82.5**		50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1
Total TPH	**767**		50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*107*		*70 - 130*	*08/15/23 16:47*	*08/17/23 19:41*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/15/23 16:47*	*08/17/23 19:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**453**		5.00		mg/Kg			08/09/23 14:17	1

Client Sample ID: SW03

Lab Sample ID: 890-5036-3
Matrix: Solid
Date Collected: 08/03/23 11:10
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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		08/12/23 14:51	08/13/23 23:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:51	08/13/23 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*08/12/23 14:51*	*08/13/23 23:31*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/12/23 14:51*	*08/13/23 23:31*	*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 15:15	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Client Sample ID: SW03

Lab Sample ID: 890-5036-3
Matrix: Solid
Date Collected: 08/03/23 11:10
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**560**		50.0		mg/Kg			08/18/23 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Diesel Range Organics (Over C10-C28)	**500**		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Oil Range Organics (Over C28-C36)	**60.2**		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Total TPH	**560**		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/15/23 16:47*	*08/17/23 20:03*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/15/23 16:47*	*08/17/23 20:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**527**		4.98		mg/Kg			08/09/23 14:22	1

Client Sample ID: SW04

Lab Sample ID: 890-5036-4
Matrix: Solid
Date Collected: 08/03/23 11:15
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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		08/12/23 14:51	08/13/23 23:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:51	08/13/23 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/12/23 14:51*	*08/13/23 23:51*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/12/23 14:51*	*08/13/23 23:51*	*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 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**747**		49.7		mg/Kg			08/18/23 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1
Diesel Range Organics (Over C10-C28)	**683**		49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1

Eurofins Carlsbad

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Client Sample ID: SW04

Lab Sample ID: 890-5036-4
Matrix: Solid
Date Collected: 08/03/23 11:15
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	64.3		49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1
Total TPH	747		49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*08/15/23 16:47*	*08/17/23 21:06*	*1*
o-Terphenyl	*109*		*70 - 130*	*08/15/23 16:47*	*08/17/23 21:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		4.99		mg/Kg			08/09/23 14:28	1

Client Sample ID: SW05

Lab Sample ID: 890-5036-5
Matrix: Solid
Date Collected: 08/03/23 11:20
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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		08/12/23 14:46	08/14/23 03:36	1
Toluene	0.0124		0.00200		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
Ethylbenzene	0.00269		0.00200		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
m-Xylene & p-Xylene	0.0103		0.00400		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
o-Xylene	0.00334		0.00200		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
Xylenes, Total	0.0136		0.00400		mg/Kg		08/12/23 14:46	08/14/23 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*08/12/23 14:46*	*08/14/23 03:36*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*08/12/23 14:46*	*08/14/23 03:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0287		0.00400		mg/Kg			08/14/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	628		49.8		mg/Kg			08/18/23 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/15/23 16:47	08/17/23 20:24	1
Diesel Range Organics (Over C10-C28)	549		49.8		mg/Kg		08/15/23 16:47	08/17/23 20:24	1
Oil Range Organics (Over C28-C36)	79.1		49.8		mg/Kg		08/15/23 16:47	08/17/23 20:24	1
Total TPH	628		49.8		mg/Kg		08/15/23 16:47	08/17/23 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*08/15/23 16:47*	*08/17/23 20:24*	*1*
o-Terphenyl	*99*		*70 - 130*	*08/15/23 16:47*	*08/17/23 20:24*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Client Sample ID: SW05

Lab Sample ID: 890-5036-5
Matrix: Solid

Date Collected: 08/03/23 11:20
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**993**		5.01		mg/Kg			08/09/23 14:34	1

Client Sample ID: SW06

Lab Sample ID: 890-5036-6
Matrix: Solid

Date Collected: 08/03/23 11:25
Date Received: 08/04/23 16:05
Sample Depth: 0 - 3

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		08/12/23 14:46	08/14/23 03:57	1
Toluene	**0.00590**		0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
m-Xylene & p-Xylene	**0.00706**		0.00402		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
Xylenes, Total	**0.00706**		0.00402		mg/Kg		08/12/23 14:46	08/14/23 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*08/12/23 14:46*	*08/14/23 03:57*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*08/12/23 14:46*	*08/14/23 03:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0130**		0.00402		mg/Kg			08/14/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**761**		49.6		mg/Kg			08/18/23 10:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1
Diesel Range Organics (Over C10-C28)	**685**		49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1
Oil Range Organics (Over C28-C36)	**75.6**		49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1
Total TPH	**761**		49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/15/23 16:47*	*08/17/23 20:45*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/15/23 16:47*	*08/17/23 20:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**428**		5.04		mg/Kg			08/09/23 14:51	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
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)										
890-5036-1	SW01	88	75										
890-5036-2	SW02	87	71										
890-5036-3	SW03	90	72										
890-5036-4	SW04	86	72										
890-5036-5	SW05	61 S1-	64 S1-										
890-5036-6	SW06	73	75										
LCS 880-60010/1-A	Lab Control Sample	102	101										
LCS 880-60012/1-A	Lab Control Sample	112	119										
LCSD 880-60010/2-A	Lab Control Sample Dup	89	98										
LCSD 880-60012/2-A	Lab Control Sample Dup	118	109										
MB 880-60009/5-A	Method Blank	94	115										
MB 880-60010/5-A	Method Blank	98	115										
MB 880-60011/5-A	Method Blank	72	83										
MB 880-60012/5-A	Method Blank	68 S1-	104										

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)										
890-5036-1	SW01	120	127										
890-5036-2	SW02	107	110										
890-5036-3	SW03	93	97										
890-5036-4	SW04	102	109										
890-5036-5	SW05	95	99										
890-5036-6	SW06	96	100										
LCS 880-60324/2-A	Lab Control Sample	113	125										
LCSD 880-60324/3-A	Lab Control Sample Dup	118	131 S1+										
MB 880-60324/1-A	Method Blank	118	129										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60009/5-A
Matrix: Solid
Analysis Batch: 60006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:43	08/13/23 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/12/23 14:43*	*08/13/23 07:51*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*08/12/23 14:43*	*08/13/23 07:51*	*1*

Lab Sample ID: MB 880-60010/5-A
Matrix: Solid
Analysis Batch: 60006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:46	08/13/23 19:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/12/23 14:46*	*08/13/23 19:29*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*08/12/23 14:46*	*08/13/23 19:29*	*1*

Lab Sample ID: LCS 880-60010/1-A
Matrix: Solid
Analysis Batch: 60006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1001		mg/Kg		100	70 - 130
Toluene	0.100	0.09406		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08878		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09407		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-60010/2-A
Matrix: Solid
Analysis Batch: 60006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1012		mg/Kg		101	70 - 130	1	35

Eurofins Carlsbad

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-60010/2-A
Matrix: Solid
Analysis Batch: 60006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60010

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09241		mg/Kg		92	70 - 130	2	35
Ethylbenzene			0.100	0.08454		mg/Kg		85	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1718		mg/Kg		86	70 - 130	11	35
o-Xylene			0.100	0.08369		mg/Kg		84	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-60011/5-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60011

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 05:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:49	08/13/23 05:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*08/12/23 14:49*	*08/13/23 05:17*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/12/23 14:49*	*08/13/23 05:17*	*1*

Lab Sample ID: MB 880-60012/5-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:51	08/13/23 15:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*08/12/23 14:51*	*08/13/23 15:55*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*08/12/23 14:51*	*08/13/23 15:55*	*1*

Lab Sample ID: LCS 880-60012/1-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60012

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1030		mg/Kg		103	70 - 130		
Toluene			0.100	0.1088		mg/Kg		109	70 - 130		

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-60012/1-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.1060		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2326		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: LCSD 880-60012/2-A
Matrix: Solid
Analysis Batch: 60007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1013		mg/Kg		101	70 - 130	2	35
Toluene	0.100	0.1114		mg/Kg		111	70 - 130	2	35
Ethylbenzene	0.100	0.1117		mg/Kg		112	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2479		mg/Kg		124	70 - 130	6	35
o-Xylene	0.100	0.1235		mg/Kg		123	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

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

Lab Sample ID: MB 880-60324/1-A
Matrix: Solid
Analysis Batch: 60424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60324

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 16:46	08/17/23 10:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:46	08/17/23 10:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:46	08/17/23 10:56	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:46	08/17/23 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*08/15/23 16:46*	*08/17/23 10:56*	*1*
o-Terphenyl	*129*		*70 - 130*	*08/15/23 16:46*	*08/17/23 10:56*	*1*

Lab Sample ID: LCS 880-60324/2-A
Matrix: Solid
Analysis Batch: 60424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1043		mg/Kg		104	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-60324/2-A
Matrix: Solid
Analysis Batch: 60424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60324

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	906.2		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: LCSD 880-60324/3-A
Matrix: Solid
Analysis Batch: 60424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60324

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1021		mg/Kg		102	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	898.3		mg/Kg		90	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*131*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59540/1-A
Matrix: Solid
Analysis Batch: 59747

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 13:43	1

Lab Sample ID: LCS 880-59540/2-A
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	225.1		mg/Kg		90	90 - 110		

Lab Sample ID: LCSD 880-59540/3-A
Matrix: Solid
Analysis Batch: 59747

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	225.3		mg/Kg		90	90 - 110	0	20

Lab Sample ID: 890-5036-1 MS
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: SW01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1070		251	1297	4	mg/Kg		91	90 - 110		

Eurofins Carlsbad

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-5036-1 MSD
Matrix: Solid
Analysis Batch: 59747

Client Sample ID: SW01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1070		251	1300	4	mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

GC VOA

Analysis Batch: 60006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-5	SW05	Total/NA	Solid	8021B	60010
890-5036-6	SW06	Total/NA	Solid	8021B	60010
MB 880-60009/5-A	Method Blank	Total/NA	Solid	8021B	60009
MB 880-60010/5-A	Method Blank	Total/NA	Solid	8021B	60010
LCS 880-60010/1-A	Lab Control Sample	Total/NA	Solid	8021B	60010
LCSD 880-60010/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60010

Analysis Batch: 60007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8021B	60012
890-5036-2	SW02	Total/NA	Solid	8021B	60012
890-5036-3	SW03	Total/NA	Solid	8021B	60012
890-5036-4	SW04	Total/NA	Solid	8021B	60012
MB 880-60011/5-A	Method Blank	Total/NA	Solid	8021B	60011
MB 880-60012/5-A	Method Blank	Total/NA	Solid	8021B	60012
LCS 880-60012/1-A	Lab Control Sample	Total/NA	Solid	8021B	60012
LCSD 880-60012/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60012

Prep Batch: 60009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60009/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-5	SW05	Total/NA	Solid	5035	
890-5036-6	SW06	Total/NA	Solid	5035	
MB 880-60010/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60010/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60010/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 60011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60011/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	5035	
890-5036-2	SW02	Total/NA	Solid	5035	
890-5036-3	SW03	Total/NA	Solid	5035	
890-5036-4	SW04	Total/NA	Solid	5035	
MB 880-60012/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60012/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60012/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 60112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	Total BTEX	
890-5036-2	SW02	Total/NA	Solid	Total BTEX	
890-5036-3	SW03	Total/NA	Solid	Total BTEX	
890-5036-4	SW04	Total/NA	Solid	Total BTEX	
890-5036-5	SW05	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 60112 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-6	SW06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8015NM Prep	
890-5036-2	SW02	Total/NA	Solid	8015NM Prep	
890-5036-3	SW03	Total/NA	Solid	8015NM Prep	
890-5036-4	SW04	Total/NA	Solid	8015NM Prep	
890-5036-5	SW05	Total/NA	Solid	8015NM Prep	
890-5036-6	SW06	Total/NA	Solid	8015NM Prep	
MB 880-60324/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60324/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8015B NM	60324
890-5036-2	SW02	Total/NA	Solid	8015B NM	60324
890-5036-3	SW03	Total/NA	Solid	8015B NM	60324
890-5036-4	SW04	Total/NA	Solid	8015B NM	60324
890-5036-5	SW05	Total/NA	Solid	8015B NM	60324
890-5036-6	SW06	Total/NA	Solid	8015B NM	60324
MB 880-60324/1-A	Method Blank	Total/NA	Solid	8015B NM	60324
LCS 880-60324/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60324
LCSD 880-60324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60324

Analysis Batch: 60560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8015 NM	
890-5036-2	SW02	Total/NA	Solid	8015 NM	
890-5036-3	SW03	Total/NA	Solid	8015 NM	
890-5036-4	SW04	Total/NA	Solid	8015 NM	
890-5036-5	SW05	Total/NA	Solid	8015 NM	
890-5036-6	SW06	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Soluble	Solid	DI Leach	
890-5036-2	SW02	Soluble	Solid	DI Leach	
890-5036-3	SW03	Soluble	Solid	DI Leach	
890-5036-4	SW04	Soluble	Solid	DI Leach	
890-5036-5	SW05	Soluble	Solid	DI Leach	
890-5036-6	SW06	Soluble	Solid	DI Leach	
MB 880-59540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5036-1 MS	SW01	Soluble	Solid	DI Leach	
890-5036-1 MSD	SW01	Soluble	Solid	DI Leach	

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 59747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Soluble	Solid	300.0	59540
890-5036-2	SW02	Soluble	Solid	300.0	59540
890-5036-3	SW03	Soluble	Solid	300.0	59540
890-5036-4	SW04	Soluble	Solid	300.0	59540
890-5036-5	SW05	Soluble	Solid	300.0	59540
890-5036-6	SW06	Soluble	Solid	300.0	59540
MB 880-59540/1-A	Method Blank	Soluble	Solid	300.0	59540
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	300.0	59540
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59540
890-5036-1 MS	SW01	Soluble	Solid	300.0	59540
890-5036-1 MSD	SW01	Soluble	Solid	300.0	59540

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Client Sample ID: SW01

Date Collected: 08/03/23 11:00
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-1

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			5.04 g	5 mL	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 22:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 21:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:00	CH	EET MID

Client Sample ID: SW02

Date Collected: 08/03/23 11:05
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 23:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 19:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:17	CH	EET MID

Client Sample ID: SW03

Date Collected: 08/03/23 11:10
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-3

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	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 23:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 20:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:22	CH	EET MID

Client Sample ID: SW04

Date Collected: 08/03/23 11:15
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 23:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: WEU GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Client Sample ID: SW04

Date Collected: 08/03/23 11:15
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-4
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			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 21:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:28	CH	EET MID

Client Sample ID: SW05

Date Collected: 08/03/23 11:20
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-5
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			5.00 g	5 mL	60010	08/12/23 14:46	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/14/23 03:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 20:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:34	CH	EET MID

Client Sample ID: SW06

Date Collected: 08/03/23 11:25
Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-6
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	60010	08/12/23 14:46	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/14/23 03:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 20:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:51	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: 890-5036-1
Project/Site: WEU GM Baterry
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 GM Baterry

Job ID: 890-5036-1
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 GM Baterry

Job ID: 890-5036-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5036-1	SW01	Solid	08/03/23 11:00	08/04/23 16:05	0 - 3
890-5036-2	SW02	Solid	08/03/23 11:05	08/04/23 16:05	0 - 3
890-5036-3	SW03	Solid	08/03/23 11:10	08/04/23 16:05	0 - 3
890-5036-4	SW04	Solid	08/03/23 11:15	08/04/23 16:05	0 - 3
890-5036-5	SW05	Solid	08/03/23 11:20	08/04/23 16:05	0 - 3
890-5036-6	SW06	Solid	08/03/23 11:25	08/04/23 16:05	0 - 3

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 1 of 1

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 GM Battery	Turn Around	
Project Number:	18341	☑ 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:	TM007
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

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX - EPA METHOD 8021B	TPH - EPA METHOD 8015M/D	CHLORIDE - EPA METHOD 300.0
SW01	s	8/3/2023	11:00	0-3'	C	1		X	X	X
SW02	s	8/3/2023	11:05	0-3'	C	1		X	X	X
SW03	s	8/3/2023	11:10	0-3'	C	1		X	X	X
SW04	s	8/3/2023	11:15	0-3'	C	1		X	X	X
SW05	s	8/3/2023	11:20	0-3'	C	1		X	X	X
SW06	s	8/3/2023	11:25	0-3'	C	1		X	X	X

890-5036 Chain of Custody

Sample Comments

Incident ID:
nAPP2228734147

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 6:05			
3				4		
5				6		

Revised Date 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5036-1
SDG Number: Lea County NM

Login Number: 5036
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: 890-5036-1
SDG Number: Lea County NM

Login Number: 5036
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 272240

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 272240
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place. Remaining remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	1/23/2024