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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2222254057
District RP	
Facility ID	
Application ID	

### **Release Notification**

## **Responsible Party**

Responsible Party	Forty Acres Energ	У	OGRID	371416
Contact Name Brittney Storfa		Contact T	elephone 832-241-8080	
Contact email britt	ney@faenergyus.	com	Incident #	(assigned by OCD) nAPP222254057
Contact mailing addre	ss 11757 Katy FV	VY Suite 725, H	louston, TX 770	79
		2	of Release S	
Latitude32.525961			Longitude	-103.346619
		(NAD 83 in dec	cimal degrees to 5 deci	mal places)
Site Name West E	Eumont Unit Seale	Battery	Site Type	Battery
Date Release Discovere	ed 08/10/2022	189	API# (if ap)	plicable)
Unit Letter   Section	Township	Range	Cour	ntv.
L 3 4	20 S	36E	-	ny .
	20 3	302	Lea	
Surface Owner:   Stat	e 🗌 Federal 📗 Tr	ibal X Private (/	Name:	Dale Cooper)
		Nature and	Volume of	Dologo
		Mature and	volume of	Release
Mate X Crude Oil	Volume Released	that apply and attach	calculations or specific	visitification for the volumes provided below)  Volume Recovered (bbls) 1 bbls
☐ Produced Water				V.1 D 1(111)
IN Floduced water	7 5515		4 DDIS	
	produced water >		nioride in the	X Yes □ No
Condensate	Volume Released			Volume Recovered (bbls)
☐ Natural Gas	Volume Released	d (Mcf)		Volume Recovered (Mcf)
Other (describe)	Volume/Weight	Released (provide	units)	Volume/Weight Recovered (provide units)
Cause of Release				
	transfer pump die	not move wate	er from the wate	r tank resulting in a tank overflow.
man parties as all	harrie and			
	8.			*

Form C-141 Page 2

# State of New Mexico Oil Conservation Division

Incident ID	NAPP2222254057
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release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ☒ No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the relea	ase has been stopped.
	s been secured to protect human health and the environment.
X Released materials have	ve been contained via the use of berms or dikes, absorbent pads, or other containment devices.
X All free liquids and re	coverable materials have been removed and managed appropriately.
If all the actions described	l above have not been undertaken, explain why:
Per 19.15.29.8 B. (4) NM/	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
has begun, please attach a within a lined containment I hereby certify that the inform	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
has begun, please attach a within a lined containment I hereby certify that the infor- regulations all operators are r public health or the environm	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
has begun, please attach a within a lined containment.  I hereby certify that the informegulations all operators are republic health or the environment failed to adequately investigation.	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have attend and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
has begun, please attach a within a lined containment.  I hereby certify that the informegulations all operators are republic health or the environment failed to adequately investigation.	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
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has begun, please attach a within a lined containment.  I hereby certify that the information regulations all operators are republic health or the environment failed to adequately investigated addition, OCD acceptance of and/or regulations.  Printed Name: Brittne Signature:	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have are and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws  Title:  Production Engineer  Date:  8/10/2022
has begun, please attach a within a lined containment.  I hereby certify that the information regulations all operators are republic health or the environment failed to adequately investigated addition, OCD acceptance of and/or regulations.  Printed Name: Brittne Signature:	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have attend and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws  Production Engineer  Title:  Production Engineer
has begun, please attach a within a lined containment.  I hereby certify that the information regulations all operators are republic health or the environment failed to adequately investigated addition, OCD acceptance of and/or regulations.  Printed Name: Brittney  Signature: Drittney@fa	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have are and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws  Title:  Production Engineer  Date:  8/10/2022
has begun, please attach a within a lined containment.  I hereby certify that the information regulations all operators are republic health or the environment failed to adequately investigated addition, OCD acceptance of and/or regulations.  Printed Name: Brittney  Signature: brittney@fa	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have are and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws  Title:  Production Engineer  Date:  8/10/2022

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## 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?	<u>&gt;100</u> (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 <b>not</b> on an exploration, development, production, or storage site?	X 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 well	ls.	

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.

Received by OCD: 10/6/2023 9:23:08 AM State of New Mexico Oil Conservation Division Page 4

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nt ID	NAPP2222254057	
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Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Alex Bolanos	Title: Regulatory/Production Analyst	
Signature: Alex Bolanos	Date: 12/14/23	
email: alex@faenergyus.com	Telephone: (832)689-3788	
OCD Only		
Received by:	Date:	

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Facility ID	
Application ID	

## Closure

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

and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name: Alex Bolanos  Title: Regulatory/Production Analyst  Date: 12/14/23  Bemail: alex@faenergyus.com  Telephone: (832)689-3788  OCD Only  Received by: Date:				
☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) ☐ Description of remediation activities ☐ I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD ruand 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 to by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name: Alex Bolanos	Closure Report Attach	ment Checklist: Each of the following	g items must be incl	uded in the closure report.
must be notified 2 days prior to liner inspection)  Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)  Description of remediation activities  Thereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rund and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name: Alex Bolanos  Title: Regulatory/Production Analyst  Date: 12/14/23  Telephone: (832)689-3788  OCD Only  Received by:  Date: (832)689-3788  Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the respons party of compliance with any other federal, state, or local laws and/or regulations.  Date: 12/22/2023	✓ A scaled site and sar	npling diagram as described in 19.15.2	9.11 NMAC	
Description of remediation activities  I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD ru and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible part does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations and re-vegetation are compliance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name: Alex Bolanos  Title: Regulatory/Production Analyst  Date: 12/14/23  Telephone: (832)689-3788  OCD Only  Received by:  Date: 12/14/23  Telephone: (832)689-3788  Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsiparty of compliance with any other federal, state, or local laws and/or regulations.			tos of the liner integ	rity if applicable (Note: appropriate OCD District office
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Telephone: (832)689-3788  OCD Only  Received by:	may endanger public heal should their operations ha human health or the environmental compliance with any other restore, reclaim, and re-veaccordance with 19.15.29.	th or the environment. The acceptance ve failed to adequately investigate and comment. In addition, OCD acceptance or federal, state, or local laws and/or regregatate the impacted surface area to the .13 NMAC including notification to the	of a C-141 report by remediate contamina of a C-141 report do ulations. The respond conditions that exist e OCD when reclam	y the OCD does not relieve the operator of liability ation that pose a threat to groundwater, surface water, sees not relieve the operator of responsibility for asible party acknowledges they must substantially ted prior to the release or their final land use in ation and re-vegetation are complete.
Telephone: (832)689-3788  OCD Only  Received by:	Printed Name: Alex Bo	lanos	<sub>Title:</sub> Regula	atory/Production Analyst
Telephone: (832)689-3788  OCD Only  Received by:	Signature: Alex E	Bolanos	Date: 12/14/2	23
Received by: Date:  Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the respons party of compliance with any other federal, state, or local laws and/or regulations.  Closure Approved by:				2)689-3788
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remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the respons party of compliance with any other federal, state, or local laws and/or regulations.  Closure Approved by:	Received by:		Date:	
Closure Approved by:	remediate contamination t	hat poses a threat to groundwater, surface	ce water, human hea	
Printed Name: Nelson Velez Title:Environmental Specialist - Adv	Closure Approved by:	Nelson Velez	Date:	12/22/2023
	Printed Name:	Nelson Velez	Title:	Environmental Specialist - Adv



## **CLOSURE REQUEST REPORT**

West Eumont Unit Seale Battery

Lea County, New Mexico

Incident Number nAPP2222254057

Prepared for:

Forty Acres Energy, LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette



#### **SYNOPSIS**

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

#### SITE LOCATION AND RELEASE BACKGROUND

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

On August 10, 2022, it was discovered that power loss caused a tank to overflow and result in approximately 1 barrel (bbls) of crude oil and 6 bbls of produced water to be released within and outside the secondary containment earthen berm. Vacuum trucks were immediately dispatched and recovered approximately 1 bbls crude oil and 4 bbls produced water. FAE reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on August 10, 2022, and was subsequently assigned Incident Number nAPP2222254057. Initial response efforts included removal of immediate soil impacts, totaling 208 cubic yards (CYs). FAE provided a map of the release extent which is presented as the Area of Concern (AOC) on **Figure 2** in **Appendix A**. FAE has since backfilled the excavation (ranging from 2.5 feet below ground surface (bgs) to 5.5 feet bgs) inside the containment with caliche in an effort to restore the foundation near the tanks and eliminate potential safety hazards.

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

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Closure Request Report Incident Number nAPP2222254057 West Eumont Unit Seale Battery



Depth to groundwater at the Site is estimated to be greater than 100 feet bgs based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.58-mile southeast of the Site. Using a truck mounted rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. The referenced well record for the soil boring is provided in **Appendix B**. The soil boring location and regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

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

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

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

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

#### SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From July 20, 2023, to August 3, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and characterize the AOC by verifying the presence or absence of impacted soil within the backfilled excavations. Eleven delineation potholes (PH01 through PH11) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of the AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

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

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

Closure Request Report Incident Number nAPP2222254057 West Eumont Unit Seale Battery



#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all final delineation soil samples were below the applicable Site Closure Criteria. Laboratory analytical results are summarized in Table 1 in **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included in **Attachment F**.

#### **CLOSURE REQUEST**

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

#### **LIMITATIONS**

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

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or <a href="mailto:joseph@etechenv.com">joseph@etechenv.com</a> or Erick Herrera at (575) 200-6754 or <a href="mailto:erick@etechenv.com">erick@etechenv.com</a>. Appendix G provides correspondence email notification receipts associated with the subject release. Appendix H includes the previously submitted RWP.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera Staff Geologist

Ericl &

Joseph S. Hernandez Senior Managing Geologist



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

#### Appendices:

**Appendix A** Figure 1: Site Map

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors

Figure 1C: Site Characterization Map – Karst Potential

Figure 2: Delineation Soil Sample Locations

**Appendix B** Referenced Well Records

Appendix C Soil Sampling Logs
Appendix D Photographic Log

Appendix E Tables

**Appendix F** Laboratory Analytical Reports & Chain-of-Custody Documentation

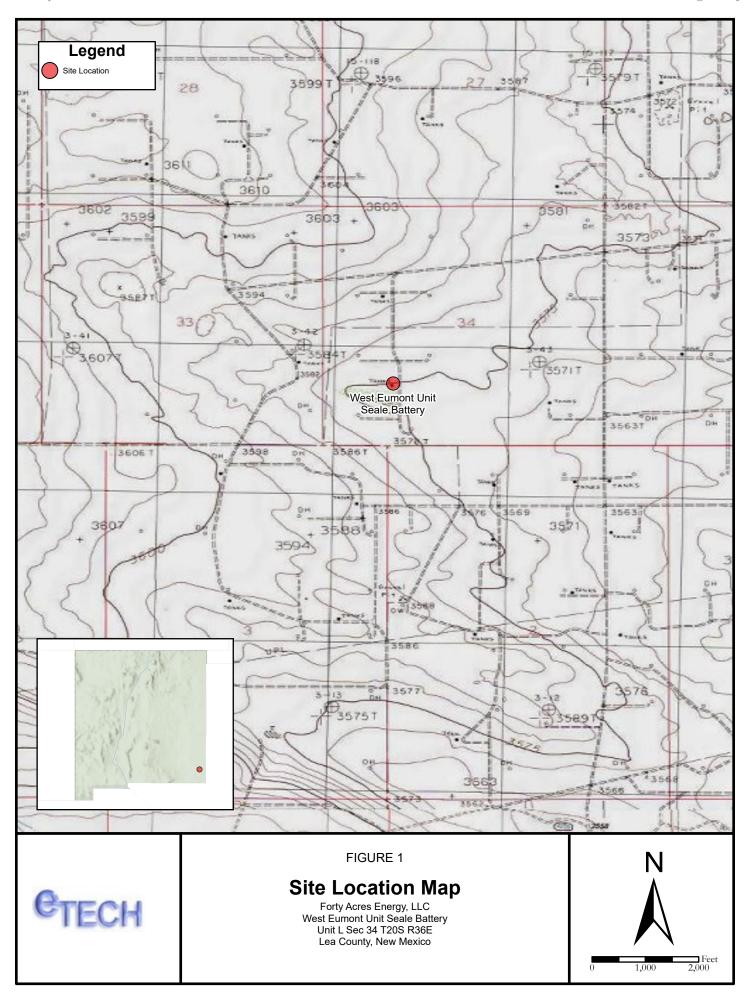
Appendix G NMOCD Notifications

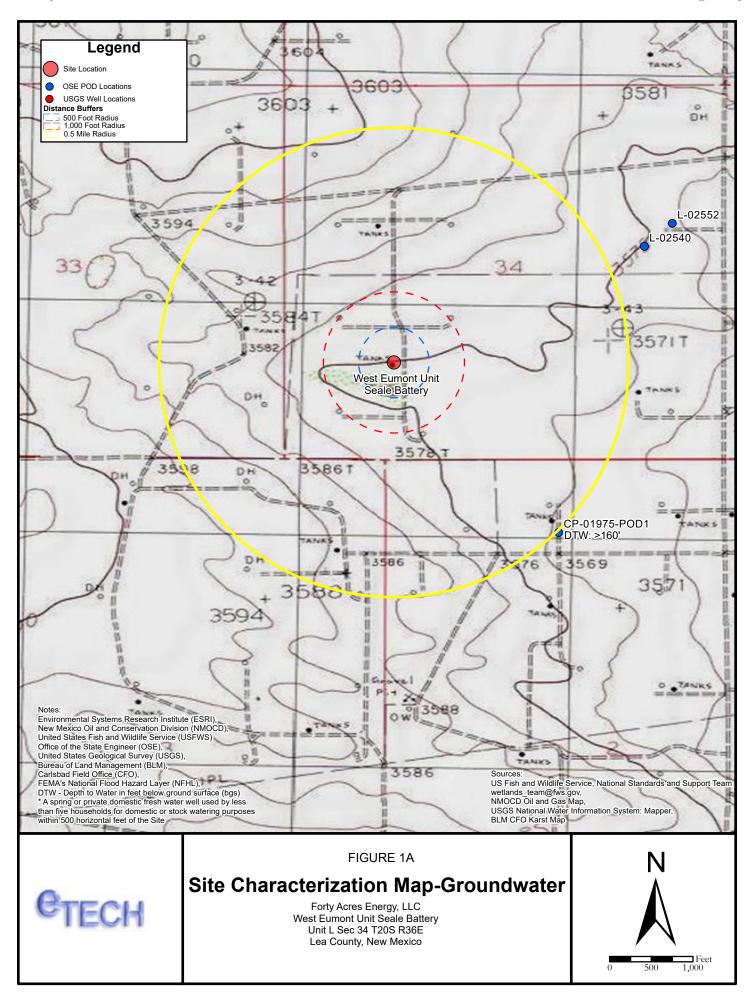
Appendix H Original Submitted RWP

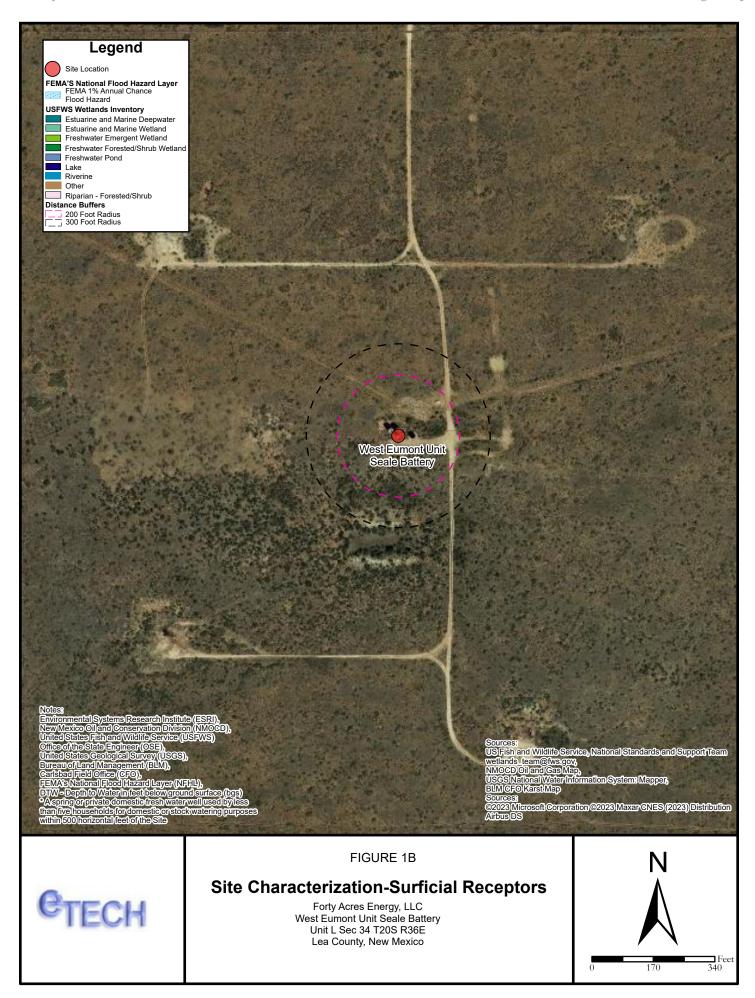
# **APPENDIX A**

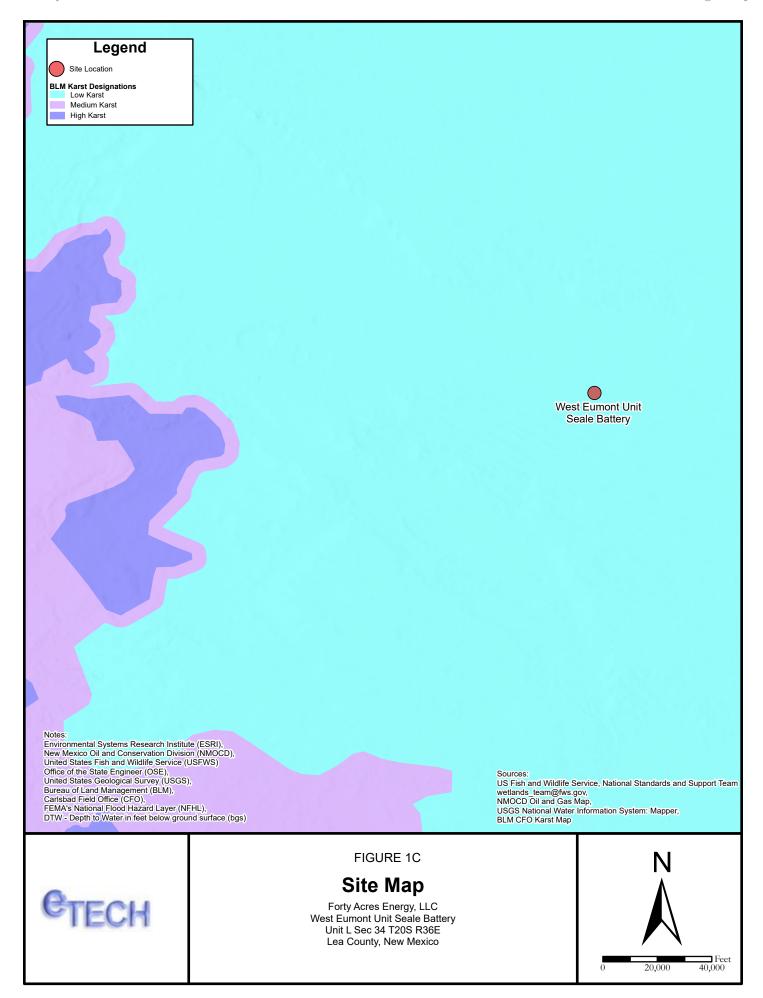
**Figures** 

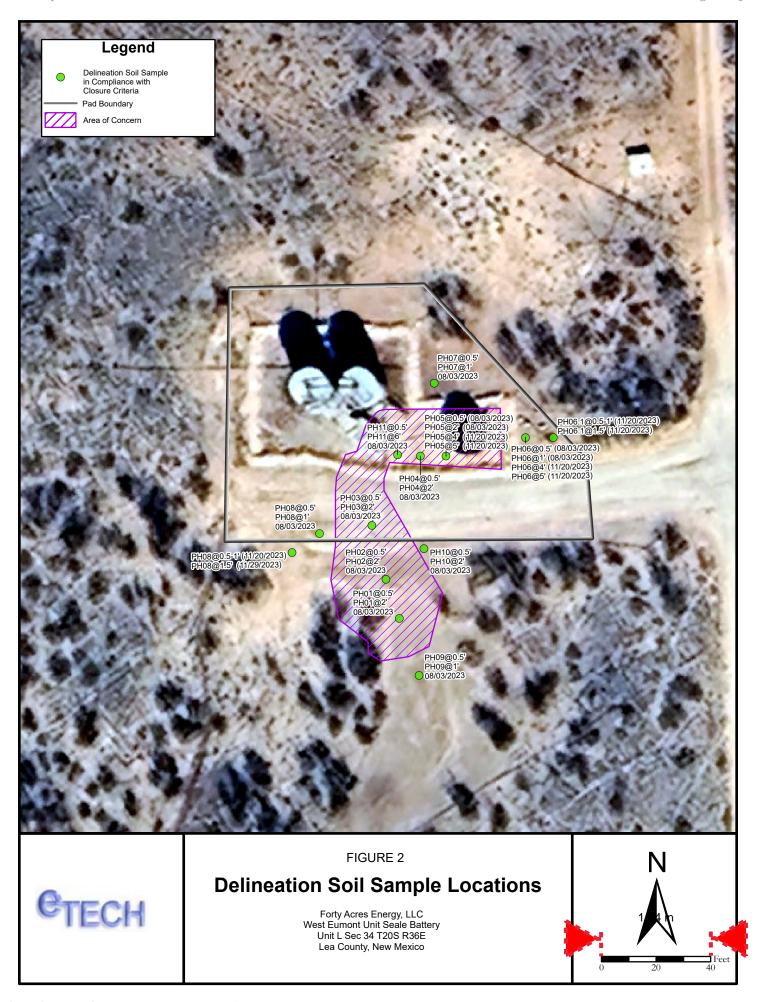












## **APPENDIX B**

Referenced Well Records





POINT   POIN													
WILLOWNER MAMERS   CLAY TOTIC COOPET			. (WELL NO	.)			).		`	S).			
Transfer   Depth (feet bgl)	NO	POD-1				213A19			CP-1975				
Transfer   Depth (feet bgl)	ĬŢ	WELL OWN	ER NAME(S)			I			PHONE (OPTI	ONAL)			
Transfer   Depth (feet bgl)	/ )C	Clay Tom (	Cooper										
Transfer   Depth (feet bgl)	77	WELL OWN	FR MAILING	ADDRESS					CITY		STATE		ZIP
Transfer   Depth (feet bgl)	ELI											88265	211
Transfer   Depth (feet bgl)	≥												
Transfer   Depth (feet bgl)	IN	WELL		DI									
Transfer   Depth (feet bgl)	L,	LOCATIO	N LAT	TITUDE	32	31	09.	6 N	* ACCURACY	REQUIRED: ONE TEN	TH OF A S	ECOND	
Transfer   Depth (feet bgl)	ER/	(FROM GP	PS)	NGITUDE	103	20	24.	7 W	* DATUM RE	QUIRED: WGS 84			
Transfer   Depth (feet bgl)	EZ	DESCRIPTION			CTREET ADD	DESS AND COMMO	N I ANDM	DVC DIC	S (SECTION TO	WNSHIID DANGE) WH	EDE AVA	II ADI E	
		DESCRIPTION	JN KELATII	IG WEEL LOCATION TO	STREET ADD	KL33 AND COMMO	IN EANDING	KKKS – I La	is (section, 10	WNSHJII, KANOL) WII	EKE AVA	ILABLE	
TRUE   RECOMPLETED   RELILING STARTED   RELILING													
DRILLING STARTED   R-24-2023		LICENSE NO	),	NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING CO	OMPANY	
NA   STATIC WATER LEVEL IN:   ARTESIAN   PRY HOLE   SHALLOW (UNCONFINED)   STATIC WATER LEVEL IN COMPLETED WELL (FT)   NA   STATIC WATER LEVEL IN COMPLETE WELL (FT)   NA   STATIC WATER LEVEL IN C		183	39			Boyd Coffey					Coffey Di	rilling	
NA		DRILLING S'	TARTED	DRILLING ENDED	DEPTH OF CO	OMPLETED WELL (F	FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOL	JNTERED (FT)	
COMPLETED WELL IS:				8-24-2023									
COMPLETED WELL IS:										STATIC WATER LEV	ÆL IN CO	MPLETED WE	LL (FT)
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	_	COMPLETE	O WELL IS:	ARTESIAN	✓ DRY HO	LE SHALLO	OW (UNCO	NFINED)					( )
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	0												
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	AT	DRILLING F	LUID:		✓ MUD	ADDITY	VES – SPEC	IFY:					
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	R M	DRILLING M	IETHOD:	✓ ROTARY	☐ HAMME	R CABLE	TOOL	ОТНЕ	ER – SPECIFY:				
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	NFC	DEPTH (feet bgl) PORE HOLE			CASING	CASING MATERIAL AND/OR				CACINIC	G A GT	NO WALL	
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	G ID	DOKE HOLE			CON							1	
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	Ž	I ROM				(include each casing string, and			ГҮРЕ				
DEPTH (feet bgl)   BORE HOLE   LIST ANNULAR SEAL MATERIAL AND   GRAVEL PACK SIZE-RANGE BY INTERVAL   Cubic feet)   PLACEMENT	CA		20	` ′	note		1)			` ′	<u> </u>	, d., 21	
100   120   8.75   PVC   bell   5   sdr 21   0.020	જ												
DEPTH (feet bgl)	Ž												0.020
DEPTH (feet bgl)	III												0.020
DEPTH (feet bgl)	DR	120	160	8.75		PVC			bell	5	8	3dr 21	
FROM   TO   DIAM. (inches)   GRAVEL PACK SIZE-RANGE BY INTERVAL   (cubic feet)   PLACEMENT	7												
FROM   TO   DIAM. (inches)   GRAVEL PACK SIZE-RANGE BY INTERVAL   (cubic feet)   PLACEMENT													
FROM   TO   DIAM. (inches)   GRAVEL PACK SIZE-RANGE BY INTERVAL   (cubic feet)   PLACEMENT													
FROM   TO   DIAM. (inches)   GRAVEL PACK SIZE-RANGE BY INTERVAL   (cubic feet)   PLACEMENT													
FROM   TO   DIAM. (inches)   GRAVEL PACK SIZE-RANGE BY INTERVAL   (cubic feet)   PLACEMENT													
FROM   TO   DIAM. (inches)   GRAVEL PACK SIZE-RANGE BY INTERVAL   (cubic feet)   PLACEMENT													
FROM   TO   DIAM. (inches)   GRAVEL PACK SIZE-RANGE BY INTERVAL   (cubic feet)   PLACEMENT		DEBTII	(feet hal)	non=		IOT ANNUU AD C	TEAL MAY	PEDIAL :	AND	AMOIDE			D 0F
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<u> </u>	MA	20	160	8.75		3/8 p	ea gravel			38		Pou	r
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<u> </u>	AN												
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FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/19)													
	FOR	OSE INTER	NAL USE						WR-2	0 WELL RECORD	& LOG (	Version 04/3	0/19)

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

LOCATION

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	DEPTH (1	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)		
	_		_			ZONES (gpm)		
	0	5	5	Red Sandy Top Soil  White Caliche	Y ✓ N			
	5	46	41	Y ✓N				
	46	94	48	Y ✓N				
	94	101	7	Y ✓N				
	101	108	7	Course sand/gravel	Y ✓ N			
T	108	160	52	Red Clay	Y ✓ N			
WEI					Y N			
OF					Y N			
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4. HYDROGEOLOGIC LOG OF WELL					Y N			
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		Y N						
			Y N					
					Y N			
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					Y N			
					YN			
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					WELL YIELD (gpm):	0.00		
	PUMI	, N	IR LIFT ✓	BAILER OTHER – SPECIFY:				
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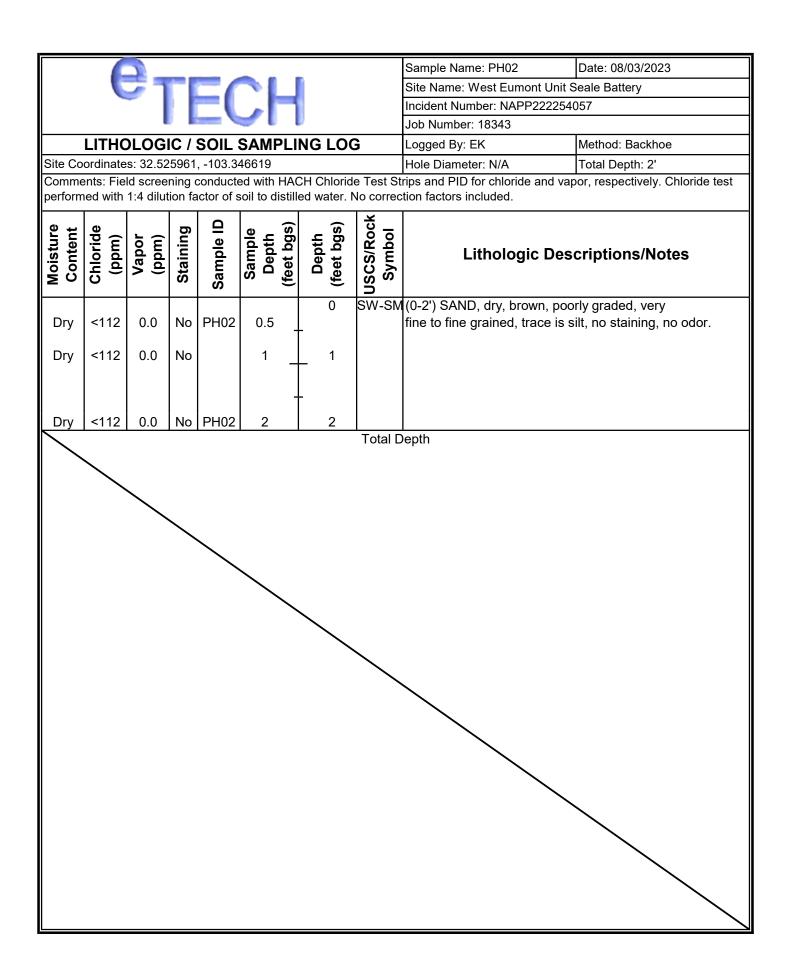
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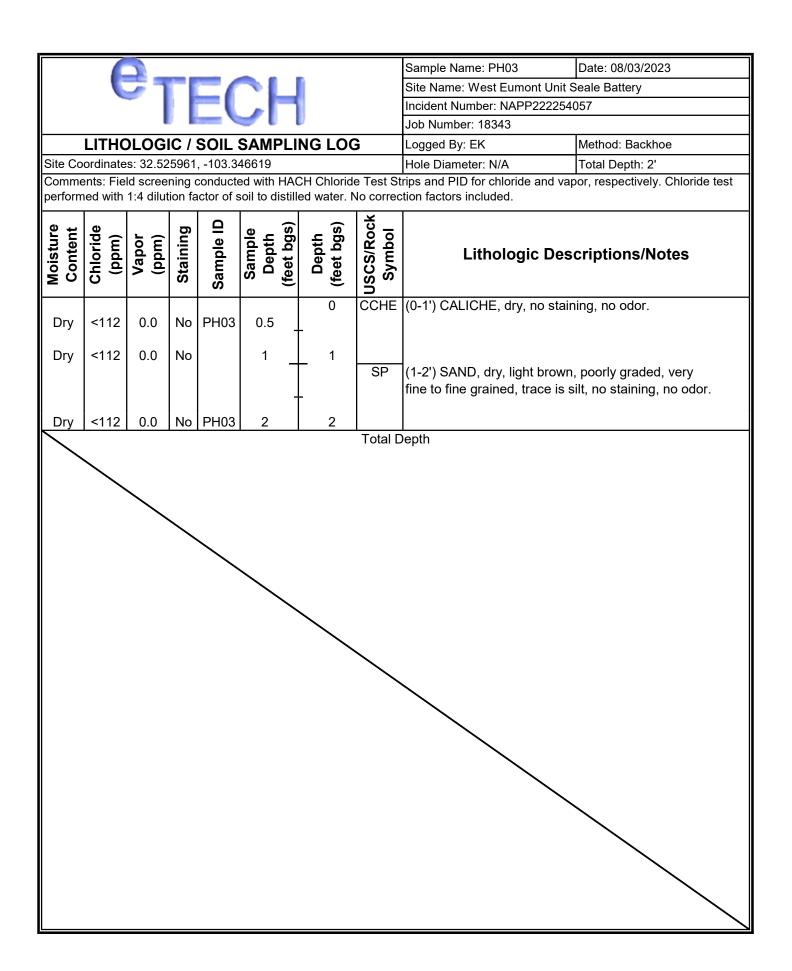
# **APPENDIX C**

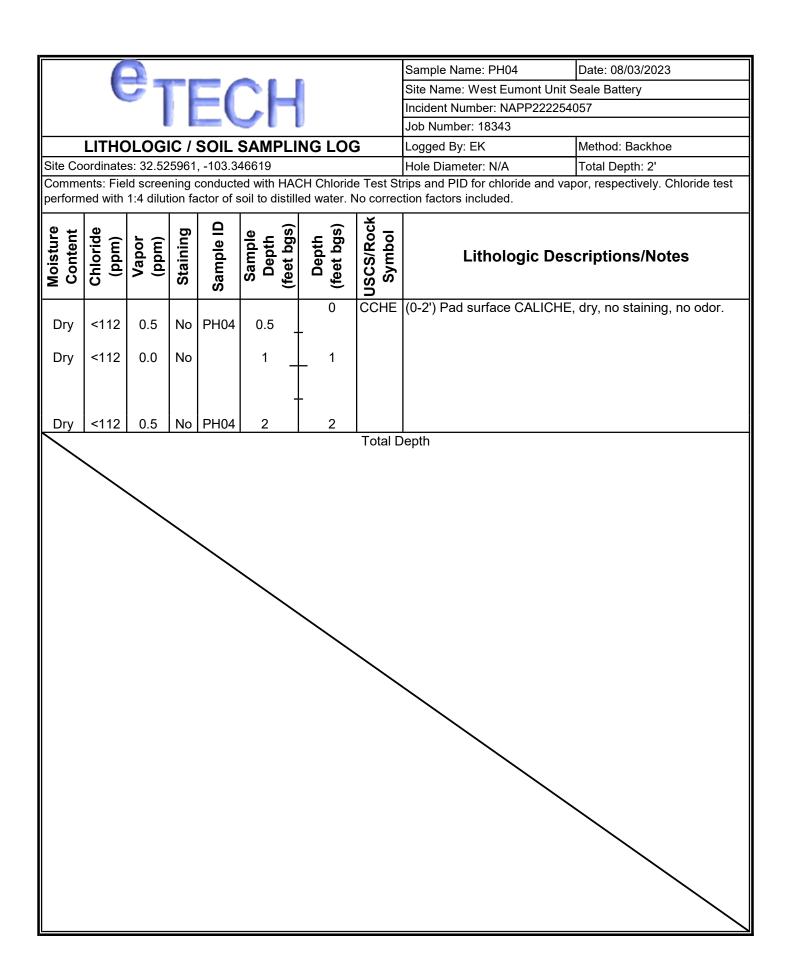
Soil Sampling Logs

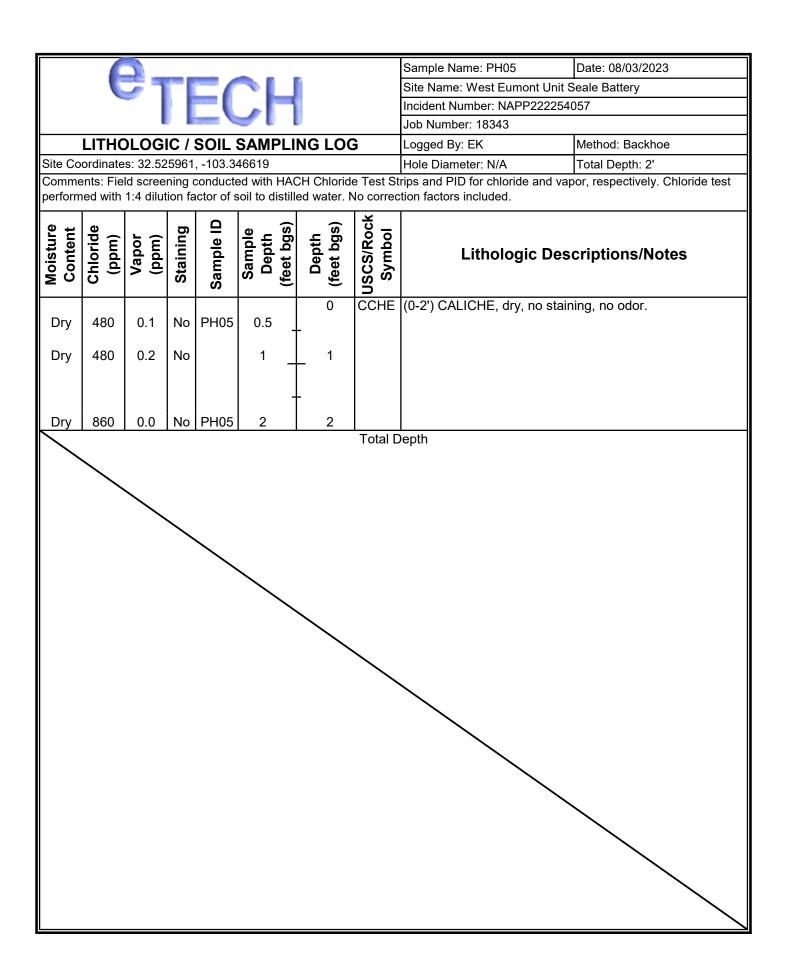


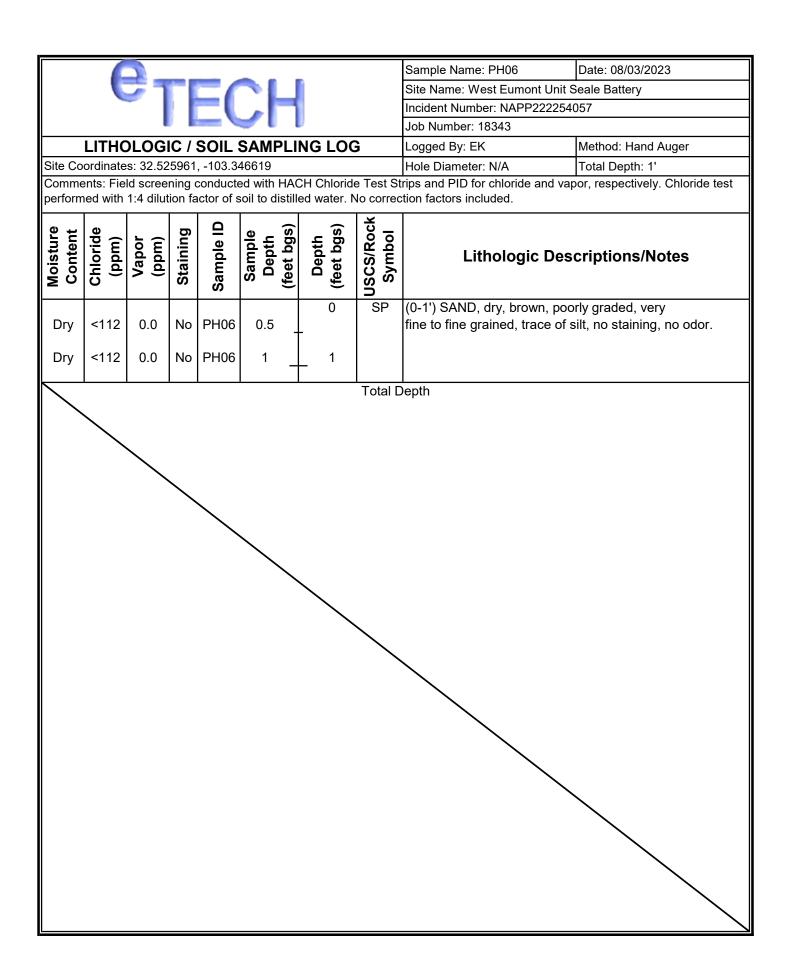
### Sample Name: PH01 Date: 08/03/2023 Site Name: West Eumont Unit Seale Battery Incident Number: NAPP222254057 Job Number: 18343 LITHOLOGIC / SOIL SAMPLING LOG Method: Backhoe Logged By: EK Site Coordinates: 32.525961, -103.346619 Total Depth: 2' Hole Diameter: N/A Comments: Field screening conducted 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. **USCS/Rock** Sample ID (feet bgs) (feet bgs) Sample Depth Staining Symbol Depth Vapor (ppm) (mdd) **Lithologic Descriptions/Notes** (0-2') SAND, dry, light brown, poorly graded, very <112 0.0 PH01 0.5 fine to fine grained, trace of silt, no staining, no odor. Dry No Dry <112 0.0 No 1 1 Dry <112 0.0 No PH01 2 **Total Depth**

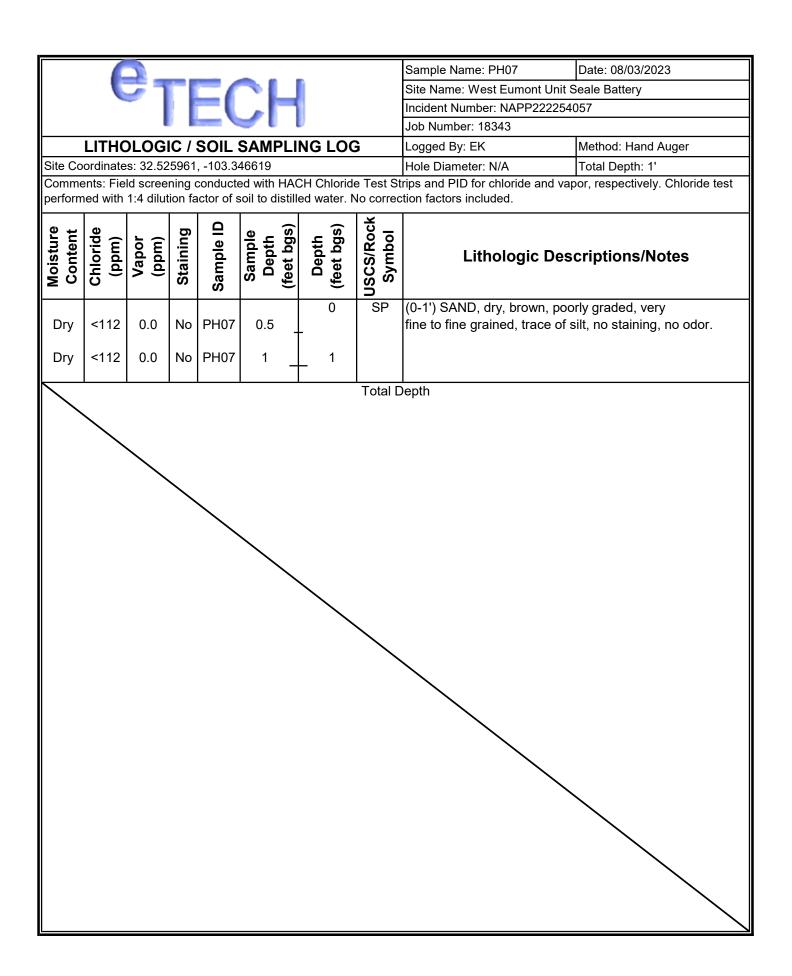


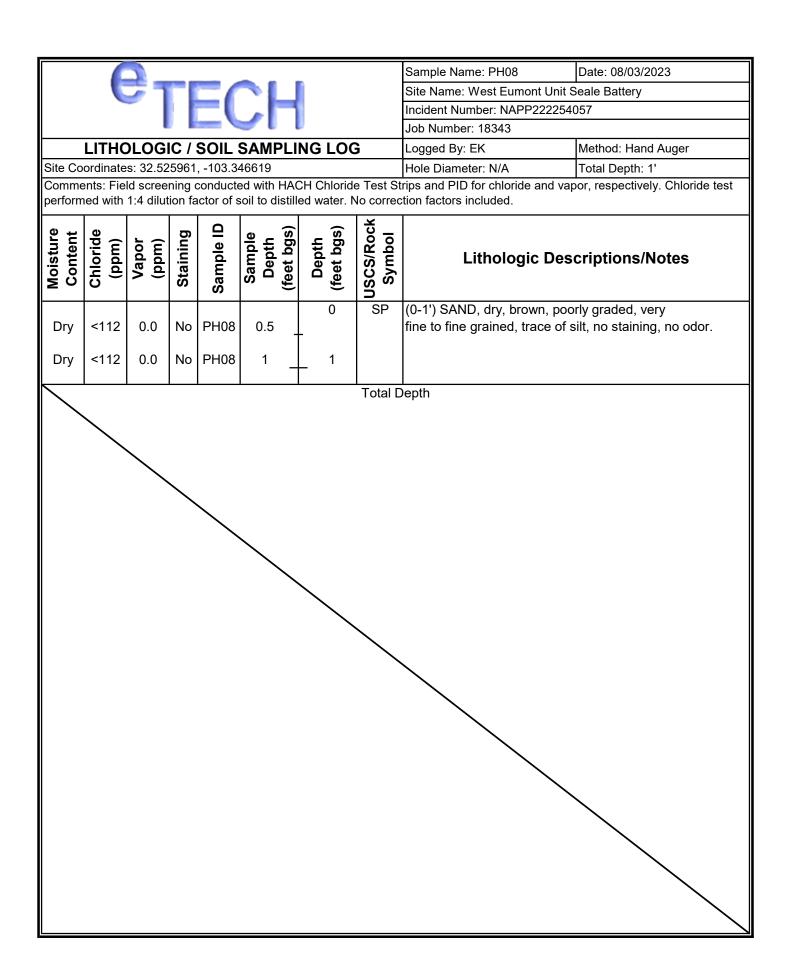


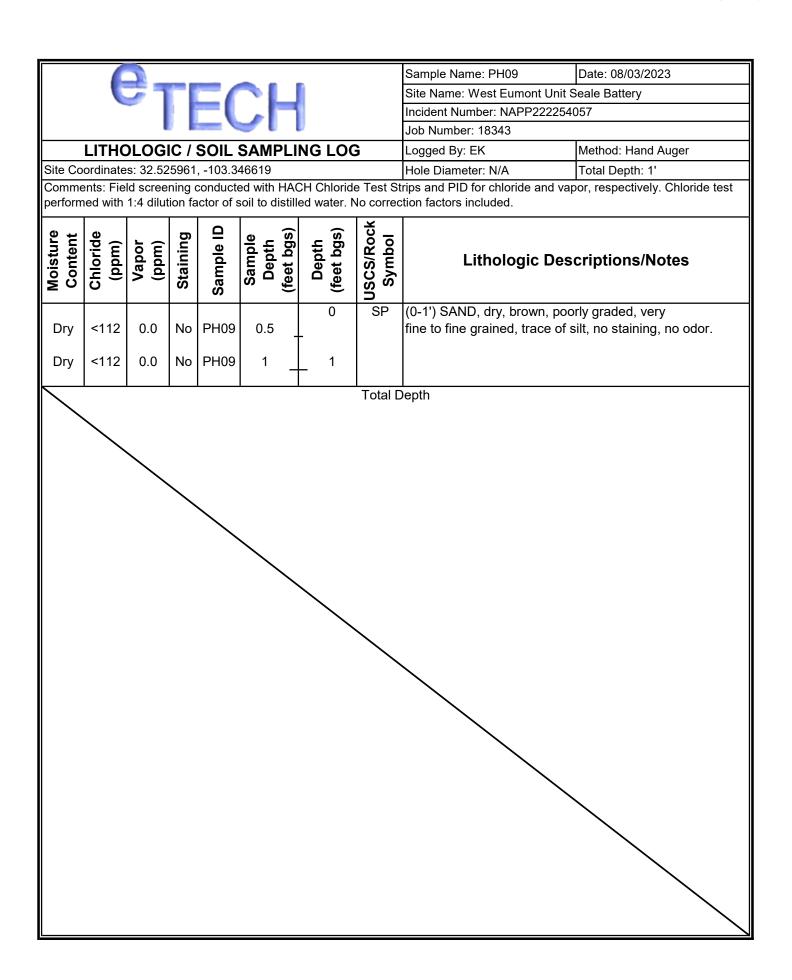


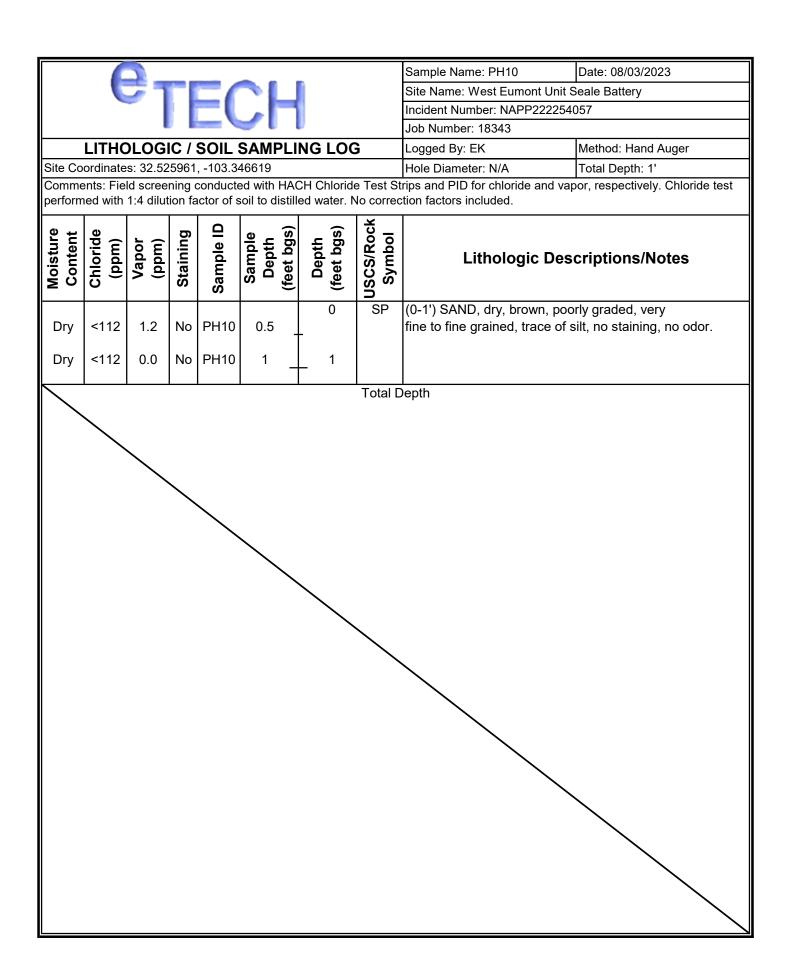


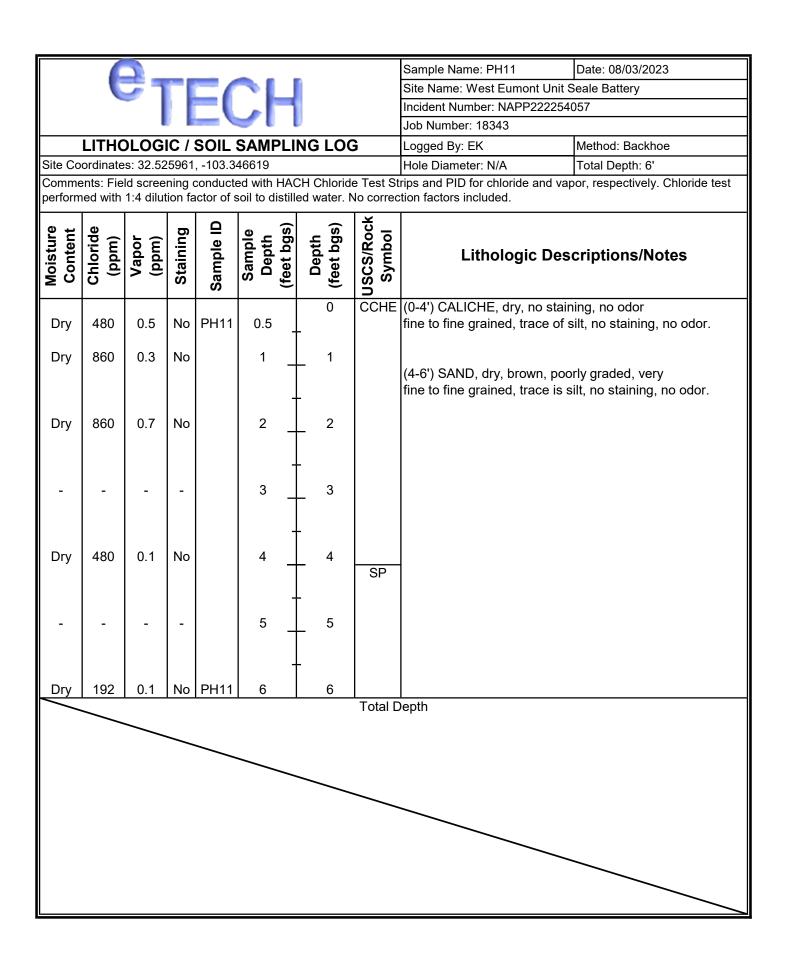












# APPENDIX D

Photographic Log



# $\mathsf{e}_\mathsf{TECH}$

#### **PHOTOGRAPHIC LOG**

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



Photograph 1 Date: 07/20/2023

Description: Northeastern view of Site assessment activities.



Photograph 2 Date: 08/03/2023

Description: Northwestern view of delineation activities.



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



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

# **APPENDIX E**

**Tables** 





# Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy West Eumont Unit Seale Battery Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)		10	50	NE	NE	NE	1,000	2,500	20,000	
				Delineation So	oil Samples - Incident I	Number nAPP22222540	57			
PH01	08/03/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	34.9
PH01	08/03/2023	2	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	27.4
PH02	08/03/2023	0.5	<0.00201	<0.00402	<50.2	58.4	<50.2	58.4	58.4	57.6
PH02	08/03/2023	2	<0.00200	<0.00400	<49.8	75.3	<49.8	75.3	75.3	37.9
PH03	08/03/2023	0.5	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	312
PH03	08/03/2023	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	432
PH04	08/03/2023	0.5	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	2,060
PH04	08/03/2023	2	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	546
PH05	08/03/2023	0.5	<0.00198	<0.00396	<49.8	518	<49.8	518	518	359
PH05	08/03/2023	2	<0.00199	<0.00398	<50.2	209	<50.2	209	209	1,240
PH05	11/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PH05	11/20/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
PH06	08/03/2023	0.5	<0.00200	<0.00400	<50.5	285	<50.5	285	285	123
PH06	08/03/2023	1	<0.00198	<0.0396	<49.6	151	<49.6	151	151	122
PH06	11/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PH06	11/20/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH07	08/03/2023	0.5	<0.00201	<0.00402	<49.5	80.8	<49.5	80.8	80.8	25.8
PH07	08/03/2023	1	<0.00201	<0.00402	<50.4	62.2	<50.4	62.2	62.2	26.6
PH08	08/03/2023	0.5	<0.00202	<0.00403	<49.9	103	<49.9	103	103	106
PH08	08/03/2023	1	<0.00199	<0.00398	<50.4	90.6	<50.4	90.6	90.6	52.0
PH09	08/03/2023	0.5	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	39.2
PH09	08/03/2023	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	65.8
PH10	08/03/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	65.6
PH10	08/03/2023	1	<0.00202	<0.00403	<50.0	50.6	<50.0	50.6	50.6	62.4



#### Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy West Eumont Unit Seale Battery Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
PH11	08/03/2023	0.5	<0.00199	<0.00398	<50.3	540	<50.3	540	540	356
PH11	08/03/2023	6	<0.00198	<0.00396	<50.1	59.8	<50.1	59.8	59.8	229
PH06.1	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160.0
PH06.1	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH08	11/20/2023	0.5 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PH08	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in bold exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

# **APPENDIX F**

Laboratory Analytical Reports & Chain-of-Custody Documentation

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# **ANALYTICAL REPORT**

## PREPARED FOR

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

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

## **JOB DESCRIPTION**

WEU Seale Battery SDG NUMBER Lea County NM

## **JOB NUMBER**

890-5038-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

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#### **Definitions/Glossary**

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

SDG: Lea County NM

#### **Qualifiers**

**GC VOA** 

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

**GC Semi VOA** 

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

**HPLC/IC** 

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

**Glossary** 

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

**DER** Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

**EDL** Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL 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)

Negative / Absent NEG POS Positive / Present

Practical Quantitation Limit POI

**PRES** Presumptive QC **Quality Control** 

**RER** Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

**RPD** Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC** 

**Eurofins Carlsbad** 

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#### Case Narrative

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

Job ID: 890-5038-1

**Laboratory: Eurofins Carlsbad** 

Narrative

Job Narrative 890-5038-1

#### REVISION

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

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

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

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

#### Receipt

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

#### **GC VOA**

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

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

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

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

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

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

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

#### GC Semi VOA

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

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

#### Case Narrative

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 SDG: Lea County NM Project/Site: WEU Seale Battery

Job ID: 890-5038-1 (Continued)

**Laboratory: Eurofins Carlsbad (Continued)** 

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

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

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

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

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

#### HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59539 and analytical batch 880-59748 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

**Client Sample ID: PH01** 

Lab Sample ID: 890-5038-1

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

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

- 1	<del>_</del>					
	Method: SW846	8021B -	Volatile	Organic	Compounds	(GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

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

#### **Method: TAL SOP Total BTEX - Total BTEX Calculation**

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

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

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

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

Method: EPA 300.0	- Anions,	Ion Chromato	graph	y - Soluble
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	34.9		5.02		mg/Kg			08/09/23 20:20	1	

Lab Sample ID: 890-5038-2 **Client Sample ID: PH01 Matrix: Solid** 

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

Sample Depth: 2

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

MICHIOG. SYVOTO OUZ ID -	Volatile Organic	Compount	us (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1

Job ID: 890-5038-1

**Matrix: Solid** 

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery SDG: Lea County NM Lab Sample ID: 890-5038-2

**Client Sample ID: PH01** Date Collected: 08/03/23 15:05

Date Received: 08/04/23 16:05

Sample Depth: 2

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

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

**Client Sample ID: PH02** 

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

Sample Depth: 0.5

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				08/11/23 10:59	08/11/23 17:33	1
1,4-Difluorobenzene (Surr)	79		70 - 130				08/11/23 10:59	08/11/23 17:33	1

RL

0.00402

MDL Unit

mg/Kg

**Eurofins Carlsbad** 

Dil Fac

Analyzed

08/14/23 14:44

Lab Sample ID: 890-5038-3

Prepared

**Matrix: Solid** 

Result Qualifier

<0.00402 U

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Client Sample ID: PH02

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

Sample Depth: 0.5

Lab Sample ID: 890-5038-3

08/15/23 16:42 08/18/23 20:50

**Matrix: Solid** 

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 50.2 08/21/23 14:34 **Total TPH** 58.4 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.2 U Gasoline Range Organics 50.2 08/15/23 16:42 08/18/23 20:50 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 58.4 F1 50.2 mg/Kg 08/15/23 16:42 08/18/23 20:50 C10-C28) Oll Range Organics (Over C28-C36) <50.2 U 50.2 mg/Kg 08/15/23 16:42 08/18/23 20:50 **Total TPH** 58.4 50.2 mg/Kg 08/15/23 16:42 08/18/23 20:50 %Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 93 70 - 130 08/15/23 16:42 08/18/23 20:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier **Analyte** RL MDL Unit Prepared Analyzed Dil Fac 4.98 08/09/23 20:42 Chloride 57.6 mg/Kg

70 - 130

97

**Client Sample ID: PH02** Lab Sample ID: 890-5038-4

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

Sample Depth: 2

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/11/23 10:59	08/11/23 17:54	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/11/23 10:59	08/11/23 17:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00400	U	0.00400		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Die	sel Range (	Organics (E	ORO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.3		49.8		mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - D	iesel Range	<b>Organics</b>	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Diesel Range Organics (Over C10-C28)	75.3		49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1

**Eurofins Carlsbad** 

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-4 **Client Sample ID: PH02** Date Collected: 08/03/23 15:15 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 2

Method: SW846 8015	B NM - Diesel Range	<b>Organics</b>	(DRO) (GC)	(Contin	ued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.3		49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/15/23 16:42	08/19/23 00:12	1

Method: EPA 300.0 - Anions, Id	on Chromatography - S	oluble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.9	4.99	mg/Kg			08/09/23 20:48	1

**Client Sample ID: PH03** Lab Sample ID: 890-5038-5 Matrix: Solid

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

Sample Depth: 0.5

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

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

Method: TAL SOP Total BTEX	- Total BTE	X Calculati	on						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Diese	el Range (	Organics (I	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg	<u></u>	08/15/23 16:42	08/19/23 02:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Total TPH	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/15/23 16:42	08/19/23 02:06	1

70 - 130

88

**Eurofins Carlsbad** 

08/15/23 16:42 08/19/23 02:06

o-Terphenyl

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH03** Lab Sample ID: 890-5038-5 **Matrix: Solid** 

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

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		25.1		mg/Kg			08/09/23 20:54	5

Client Sample ID: PH03 Lab Sample ID: 890-5038-6 **Matrix: Solid** 

Date Collected: 08/03/23 15:25 Date Received: 08/04/23 16:05

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/11/23 10:59	08/11/23 18:35	1
1,4-Difluorobenzene (Surr)	83		70 - 130				08/11/23 10:59	08/11/23 18:35	1

Method: TAL SOP Total BTEX -	Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Die	sel Range (	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	84		70 - 130				08/15/23 16:42	08/19/23 02:29	1
o-Terphenvl	89		70 - 130				08/15/23 16:42	08/19/23 02:29	1

Method: EPA 300.0 - Anions, Id	on Chromatography -	Soluble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432	50.4	mg/Kg			08/09/23 21:11	10

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10/3/2023 (Rev. 1)

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH04** Lab Sample ID: 890-5038-7 Matrix: Solid

Date Collected: 08/03/23 15:30 Date Received: 08/04/23 16:05

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/11/23 10:59	08/11/23 18:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/11/23 10:59	08/11/23 18:56	1

Method: TAL SUP Total BTEX	· lotal BIE	x Calculati	on						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Total TPH	<50.4	U	50.4	mg/Kg			08/21/23 14:34	1	

Method: SW846 8015B NM - Die	sel Range	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/19/23 02:51	1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2060		101		mg/Kg			08/09/23 21:17	20	

Lab Sample ID: 890-5038-8 Client Sample ID: PH04 Date Collected: 08/03/23 15:35 **Matrix: Solid** 

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

Job ID: 890-5038-1

SDG: Lea County NM

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Client Sample ID: PH04 Lab Sample ID: 890-5038-8 **Matrix: Solid** 

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

Sample Depth: 2

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

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Total BTEX <0.00401 U 0.00401 mg/Kg 08/14/23 14:44

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: PH05

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

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/11/23 10:59	08/11/23 19:37	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/11/23 10:59	08/11/23 19:37	1

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

Lab Sample ID: 890-5038-9

**Matrix: Solid** 

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-9

08/15/23 16:42 08/18/23 22:19

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

Client Sample ID: PH05

Sample Depth: 0.5

Matrix: Solid

Job ID: 890-5038-1

SDG: Lea County NM

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 08/21/23 14:34 **Total TPH** 49.8 518 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac RL <49.8 U 49.8 08/15/23 16:42 08/18/23 22:19 Gasoline Range Organics mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 49.8 mg/Kg 08/15/23 16:42 08/18/23 22:19 518 C10-C28) Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 08/15/23 16:42 08/18/23 22:19 **Total TPH** 49 8 mg/Kg 08/15/23 16:42 08/18/23 22:19 518 Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 1-Chlorooctane 106 70 - 130 08/15/23 16:42 08/18/23 22:19

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RΙ **MDL** Unit Prepared Analyzed Dil Fac 4.95 08/09/23 21:28 Chloride 359 mg/Kg

70 - 130

113

**Client Sample ID: PH05** Lab Sample ID: 890-5038-10 **Matrix: Solid** 

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

Sample Depth: 2

o-Terphenyl

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 mg/Kg 08/11/23 10:59 08/11/23 19:57 Toluene <0.00199 U 0.00199 mg/Kg 08/11/23 10:59 08/11/23 19:57 Ethylbenzene <0.00199 U 0.00199 mg/Kg 08/11/23 10:59 08/11/23 19:57 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 08/11/23 10:59 08/11/23 19:57 o-Xylene <0.00199 U 0.00199 mg/Kg 08/11/23 10:59 08/11/23 19:57 Xylenes, Total <0.00398 U 0.00398 mg/Kg 08/11/23 10:59 08/11/23 19:57 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 4-Bromofluorobenzene (Surr) 82 70 - 130 08/11/23 10:59 08/11/23 19:57 1,4-Difluorobenzene (Surr) 74 70 - 130 08/11/23 10:59 08/11/23 19:57

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 08/14/23 14:44 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier **MDL** Unit D Prepared Analyzed Dil Fac **Total TPH** 209 50.2 mg/Kg 08/21/23 14:34

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier **MDL** Unit Analyte RL D Prepared Analyzed Dil Fac Gasoline Range Organics <50.2 U 50.2 08/15/23 16:42 08/18/23 23:04 mg/Kg (GRO)-C6-C10 08/15/23 16:42 08/18/23 23:04 **Diesel Range Organics (Over** 209 50.2 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.2 U 50.2 mg/Kg 08/15/23 16:42 08/18/23 23:04

Job ID: 890-5038-1

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH05** Lab Sample ID: 890-5038-10 Date Collected: 08/03/23 15:45 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sam	pie	De	ptn	: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	209		50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/15/23 16:42	08/18/23 23:04	1
o-Terphenyl	117		70 - 130				08/15/23 16:42	08/18/23 23:04	1

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

Lab Sample ID: 890-5038-11 Client Sample ID: PH06

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

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83	-	70 - 130				08/11/23 10:59	08/11/23 21:21	1

Analyte R	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Total	BTEX Calculation	on					
1,4-Difluorobenzene (Surr)	64 S1-	70 - 130		C	08/11/23 10:59	08/11/23 21:21	1
1 Bromondorosomzono (Gan)	00	70-700			0, 11, 20 10.00	00/11/20 21.21	

Method: SW846 8015 NM - Diesel	Range Organics	s (DRO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	ח	Prepared	Analyzed	Dil Fac

Allulyto	ittosait	Qualifici		111.00	Oilit		ricparca	Allulyzou	Dii i uo
Total TPH	285		50.5		mg/Kg			08/21/23 14:34	1
Method: SW846 8015B NM - D	iesel Range	o Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Diesel Range Organics (Over C10-C28)	285		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Total TPH	285		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/15/23 16:42	08/18/23 22:41	1
o-Terphenyl	110		70 - 130				08/15/23 16:42	08/18/23 22:41	1

**Eurofins Carlsbad** 

**Matrix: Solid** 

Project/Site: WEU Seale Battery

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

**Client Sample ID: PH06** Date Collected: 08/03/23 15:50

Date Received: 08/04/23 16:05

Sample Depth: 0.5

Lab Sample ID: 890-5038-11

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

Analyzed Dil Fac Prepared

**Client Sample ID: PH06** Lab Sample ID: 890-5038-12

RL

5.04

**MDL** Unit

mg/Kg

**Matrix: Solid** 

08/09/23 21:39

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

Result Qualifier

123 F1

Sample Depth: 1

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/11/23 10:59	08/11/23 21:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130				08/11/23 10:59	08/11/23 21:41	1

Method: TAL SOP Total BTEX	- Total BTEX Ca	alculation					
Analyte	Result Qua	alifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396 U	0.00396	mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Die:	sel Range Organics (D	(GC) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	151	49.6	mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - D	Diesel Range	<b>Organics</b>	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Diesel Range Organics (Over C10-C28)	151		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Total TPH	151		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/15/23 16:42	08/19/23 00:34	1
o-Terphenyl	104		70 - 130				08/15/23 16:42	08/19/23 00:34	1

Method: EPA 300.0 - Anions, Id	on Chromatography	/ - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	122	4.98		mg/Kg			08/09/23 21:56	1	

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH07** Lab Sample ID: 890-5038-13

Date Collected: 08/03/23 16:10 **Matrix: Solid** Date Received: 08/04/23 16:05

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	
Toluene	< 0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130				08/11/23 10:59	08/11/23 22:02	
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130				08/11/23 10:59	08/11/23 22:02	
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	
		Organics ( Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Analyte Total TPH	Result 80.8	Qualifier	<b>RL</b> 49.5	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/21/23 14:34	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - [	Result 80.8 Diesel Range	Qualifier  Organics	RL 49.5		mg/Kg			08/21/23 14:34	
Analyte Total TPH Method: SW846 8015B NM - [ Analyte	Result 80.8 Diesel Range Result	Qualifier  Organics Qualifier	49.5 (DRO) (GC)		mg/Kg Unit	<u>D</u>	Prepared	08/21/23 14:34  Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - E Analyte  Gasoline Range Organics	Result 80.8 Diesel Range	Qualifier  Organics Qualifier	RL 49.5		mg/Kg			08/21/23 14:34  Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 80.8 Diesel Range Result	Qualifier  Organics Qualifier	49.5 (DRO) (GC)		mg/Kg Unit		Prepared 08/15/23 16:42	08/21/23 14:34  Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 80.8  Diesel Range Result < 49.5	Qualifier  Organics Qualifier  U	RL 49.5 (DRO) (GC) RL 49.5		mg/Kg  Unit mg/Kg		Prepared 08/15/23 16:42 08/15/23 16:42	08/21/23 14:34  Analyzed  08/19/23 00:57	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 80.8  Diesel Range Result <49.5	Qualifier  Organics Qualifier  U	RL 49.5 (DRO) (GC) RL 49.5		mg/Kg  Unit mg/Kg mg/Kg		Prepared 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42	08/21/23 14:34  Analyzed 08/19/23 00:57 08/19/23 00:57	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result 80.8  Diesel Range Result <49.5  80.8	Qualifier  Organics Qualifier  U	RL 49.5 (DRO) (GC) RL 49.5 49.5		mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42	08/21/23 14:34  Analyzed 08/19/23 00:57 08/19/23 00:57 08/19/23 00:57	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH  Surrogate	Result 80.8  Diesel Range Result <49.5  80.8  <49.5  80.8  %Recovery	Qualifier  Organics Qualifier  U	RL 49.5 (DRO) (GC) RL 49.5 49.5 49.5 49.5		mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 Prepared	08/21/23 14:34  Analyzed 08/19/23 00:57  08/19/23 00:57  08/19/23 00:57  08/19/23 00:57	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH  Surrogate 1-Chlorooctane	Result   80.8	Qualifier  Organics Qualifier  U	RL 49.5 (DRO) (GC) RL 49.5 49.5 49.5 49.5		mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 Prepared 08/15/23 16:42	08/21/23 14:34  Analyzed 08/19/23 00:57 08/19/23 00:57 08/19/23 00:57 08/19/23 00:57 Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - EANALYTE Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH  Surrogate 1-Chlorooctane o-Terphenyl	Result   80.8	Qualifier  Organics Qualifier  U  Qualifier  S1- S1-	RL 49.5 (DRO) (GC) RL 49.5 49.5 49.5 49.5 Limits 70 - 130 70 - 130		mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 Prepared 08/15/23 16:42	08/21/23 14:34  Analyzed 08/19/23 00:57  08/19/23 00:57  08/19/23 00:57  Analyzed 08/19/23 00:57	Dil Fa
Method: SW846 8015 NM - Di Analyte Total TPH  Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH  Surrogate 1-Chlorooctane o-Terphenyl  Method: EPA 300.0 - Anions, Analyte Chloride	Result   80.8	Qualifier  Organics Qualifier  U  Qualifier  S1- S1-	RL 49.5 (DRO) (GC) RL 49.5 49.5 49.5 49.5 Limits 70 - 130 70 - 130	MDL	mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 08/15/23 16:42 Prepared 08/15/23 16:42	08/21/23 14:34  Analyzed 08/19/23 00:57  08/19/23 00:57  08/19/23 00:57  Analyzed 08/19/23 00:57	

**Client Sample ID: PH07** Lab Sample ID: 890-5038-14 **Matrix: Solid** 

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

Sample Depth: 1

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

Project/Site: WEU Seale Battery

SDG: Lea County NM

Lab Sample ID: 890-5038-14

Lab Sample ID: 890-5038-15

Matrix: Solid

Job ID: 890-5038-1

**Matrix: Solid** 

**Client Sample ID: PH07** 

Date Collected: 08/03/23 16:20

Date Received: 08/04/23 16:05

Sample Depth: 1

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

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

**Client Sample ID: PH08** 

Date Collected: 08/03/23 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

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

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

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

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH08** Lab Sample ID: 890-5038-15 **Matrix: Solid** 

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

Sample Depth: 0.5

Method: SW846 8015 NM - Die	sel Range (	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	103		49.9		mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Diesel Range Organics (Over C10-C28)	103		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Total TPH	103		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/15/23 16:42	08/18/23 23:26	1
o-Terphenyl	98		70 - 130				08/15/23 16:42	08/18/23 23:26	1

Method: EPA 300.0 - Anions, Ion	Chroma	tography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.00		mg/Kg			08/09/23 22:24	1

**Client Sample ID: PH08** Lab Sample ID: 890-5038-16 **Matrix: Solid** 

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

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	<del></del>	mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/11/23 10:59	08/11/23 23:04	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/11/23 10:59	08/11/23 23:04	1

	Method: TAL SOP Total BTEX -	Total BTE	X Calculati	ion						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Die	sel Range (	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.6		50.4		mg/Kg			08/21/23 14:34	1

- Method: SW846 8015B NM - Die	esel Range	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Diesel Range Organics (Over C10-C28)	90.6		50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1

Job ID: 890-5038-1

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH08** Lab Sample ID: 890-5038-16 Date Collected: 08/03/23 16:40 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 1

Method: SW846 8015B NM	I - Diesel Range Organics	(DRO) (GC)	(Continued)				
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.6	50.4	mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane	%Recovery Qualifier 75	Limits 70 - 130				Analyzed 08/18/23 23:49	Dil Fac

Method: EPA 300.0 - Anions, Ic	on Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.0		5.00		mg/Kg			08/09/23 22:30	1

**Client Sample ID: PH09** Lab Sample ID: 890-5038-17 Date Collected: 08/03/23 16:50 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 0.5

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

_	-			-	
4-Bromofluorobenzene (Surr)	91	70 - 130	08/11/23 10:59	08/11/23 23:24	1
1,4-Difluorobenzene (Surr)	76	70 - 130	08/11/23 10:59	08/11/23 23:24	1
Mathada TAL COR Tatal RTEV	Total DTEV Calculat				

Method. IAL SOF Total BILA	· IOLAI DIL	A Calculation	OII						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Dies	el Range (	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/15/23 16:42	08/19/23 03:35	1

70 - 130

**Eurofins Carlsbad** 

08/15/23 16:42 08/19/23 03:35

o-Terphenyl

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

**Client Sample ID: PH09** Lab Sample ID: 890-5038-17

**Matrix: Solid** 

**Matrix: Solid** 

SDG: Lea County NM

Job ID: 890-5038-1

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

Sample Depth: 0.5

Method: EPA 300.0 - Anions, le	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		4.97		mg/Kg			08/09/23 22:36	1

Client Sample ID: PH09 Lab Sample ID: 890-5038-18

Date Collected: 08/03/23 17:00 Date Received: 08/04/23 16:05

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/11/23 10:59	08/11/23 23:45	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/11/23 10:59	08/11/23 23:45	1

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

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - D	Diesel Range	<b>Organics</b>	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				08/15/23 16:42	08/19/23 03:59	1
o-Ternhenyl	50	S1-	70 130				08/15/23 16:42	08/10/23 03:50	1

Method: EPA 300.0 - Anions, Id	on Chromatograpl	hy - Soluble						
Analyte	Result Qualifie	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.8	4.97		mg/Kg			08/09/23 22:41	1

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH10** Lab Sample ID: 890-5038-19 **Matrix: Solid** 

Date Collected: 08/03/23 17:10 Date Received: 08/04/23 16:05

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Toluene	< 0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				08/11/23 10:59	08/12/23 00:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/11/23 10:59	08/12/23 00:05	1
- Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	1
- Method: SW846 8015 NM -	Diesel Range	Organics (	DRO) (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TDU		11	50.0		ma/Ka			08/21/22 14:24	

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			08/21/23 14:34	1
Method: SW846 8015B NM - D	Diesel Range Organics (D	RO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	65.6		5.05		mg/Kg			08/09/23 22:47	1

**Client Sample ID: PH10** Lab Sample ID: 890-5038-20 Date Collected: 08/03/23 17:20 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)													
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1				
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1				
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1				
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1				
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1				
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1				

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-20

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

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

Sample Depth: 1

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

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

**Client Sample ID: PH11** Lab Sample ID: 890-5038-21 Date Collected: 08/03/23 17:25 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/12/23 14:59	08/14/23 07:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/12/23 14:59	08/14/23 07:22	1

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 08/14/23 15:21 mg/Kg

**Matrix: Solid** 

Lab Sample ID: 890-5038-21

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH11** 

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

Sample Depth: 0.5

Method: SW846 8015 NM - Die	esel Range Organics (D	RO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	540	50.3	mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Diesel Range Organics (Over C10-C28)	540		50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Total TPH	540		50.3		mg/Kg		08/15/23 16:42	08/18/23 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/15/23 16:42	08/18/23 21:57	1
o-Terphenvl	112		70 - 130				08/15/23 16:42	08/18/23 21:57	1

Method: EPA 300.0 - Anions,	lon Chromatography - S	oluble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	356	4.97	mg/Kg			08/09/23 18:55	1

**Client Sample ID: PH11** Lab Sample ID: 890-5038-22 **Matrix: Solid** 

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

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 07:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				08/12/23 14:59	08/14/23 07:48	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/12/23 14:59	08/14/23 07:48	1

Method: TAL SOP Total BTEX -	Total BTE	X Calculat	ion						
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 - Die	esel Range C	Organics (I	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.8		50.1		mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - Die	esel Range	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Diesel Range Organics (Over C10-C28)	59.8		50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1

**Matrix: Solid** 

Lab Sample ID: 890-5038-22

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH11** 

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

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.8		50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/15/23 16:42	08/19/23 05:04	1
o-Terphenyl	123		70 - 130				08/15/23 16:42	08/19/23 05:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	229		5.04		mg/Kg			08/09/23 19:02	1		

## **Surrogate Summary**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

			Pe	rcent Surrogate F	Recovery (A
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-5038-1	PH01	76	72		
890-5038-1 MS	PH01	114	112		
890-5038-1 MSD	PH01	105	119		
890-5038-2	PH01	87	62 S1-		
890-5038-3	PH02	80	79		
890-5038-4	PH02	87	77		
890-5038-5	PH03	85	75		
890-5038-6	PH03	85	83		
890-5038-7	PH04	78	95		
890-5038-8	PH04	87	63 S1-		
890-5038-9	PH05	85	77		
890-5038-10	PH05	82	74		
890-5038-11	PH06	83	64 S1-		
890-5038-12	PH06	112	84		
890-5038-13	PH07	88	59 S1-		
890-5038-14	PH07	77	80		
890-5038-15	PH08	78	72		
890-5038-16	PH08	89	85		
890-5038-17	PH09	91	76		
890-5038-18	PH09	89	80		
890-5038-19	PH10	81	93		
890-5038-20	PH10	87	86		
890-5038-21	PH11	101	91		
890-5038-22	PH11	131 S1+	87		
LCS 880-59927/1-A	Lab Control Sample	107	111		
LCS 880-60013/1-A	Lab Control Sample	92	69 S1-		
LCSD 880-59927/2-A	Lab Control Sample Dup	110	119		
LCSD 880-60013/2-A	Lab Control Sample Dup	96	90		
MB 880-59927/5-A	Method Blank	73	90 78		
MB 880-59996/5-A	Method Blank	73 53 S1-	70 70		
MB 880-60013/5-A	Method Blank	54 S1-	81		
M-C/C1 000-000 GIN	MEUIUU DIAHK	34 31-	01		
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** 

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

## **Surrogate Summary**

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

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

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

			t Surrogate Recovery (A
	1001	OTPH1	
ab Sample ID Client Sample ID	(70-130)	(70-130)	
990-5038-7 PH04	101	107	
90-5038-8 PH04	88	94	
90-5038-9 PH05	106	113	
90-5038-10 PH05	111	117	
90-5038-11 PH06	105	110	
90-5038-12 PH06	100	104	
90-5038-13 PH07	67 S1-	62 S1-	
90-5038-14 PH07	63 S1-	63 S1-	
90-5038-15 PH08	97	98	
90-5038-16 PH08	75	78	
90-5038-17 PH09	94	98	
90-5038-18 PH09	61 S1-	59 S1-	
90-5038-19 PH10	107	110	
90-5038-20 PH10	120	121	
90-5038-21 PH11	106	112	
90-5038-22 PH11	117	123	
.CS 880-60321/2-A Lab Control Sample	121	103	
.CS 880-60323/2-A Lab Control Sample	105	116	
.CSD 880-60321/3-A Lab Control Sample	Dup 125	104	
.CSD 880-60323/3-A Lab Control Sample	Dup 108	121	
MB 880-60321/1-A Method Blank	157 S1+	130	
MB 880-60323/1-A Method Blank	128	136 S1+	
Surrogate Legend			

OTPH = o-Terphenyl

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

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

Lab Sample ID: MB 880-59927/5-A

Lab Sample ID: LCS 880-59927/1-A

Lab Sample ID: LCSD 880-59927/2-A

**Matrix: Solid** 

**Matrix: Solid** 

**Analysis Batch: 59940** 

**Analysis Batch: 59940** 

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Prep Batch: 59927

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

MB MB

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

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 59927

Prep Type: Total/NA

Prep Batch: 59927

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

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

**Matrix: Solid Analysis Batch: 59940** 

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

LCSD LCSD

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

Lab Sample ID: 890-5038-1 MS

**Matrix: Solid** 

**Analysis Batch: 59940** 

**Client Sample ID: PH01 Prep Type: Total/NA** 

Prep Batch: 59927

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

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

Lab Sample ID: 890-5038-1 MS

**Matrix: Solid** 

**Analysis Batch: 59940** 

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

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

MS MS

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

Lab Sample ID: 890-5038-1 MSD

**Client Sample ID: PH01 Matrix: Solid Prep Type: Total/NA** Prep Batch: 59927 **Analysis Batch: 59940** Sample Sample MSD MSD %Rec Snike iit

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

MSD MSD

Surrogate	%Recovery Qu	alifier Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	119	70 - 130

Lab Sample ID: MB 880-59996/5-A

**Matrix: Solid** 

**Analysis Batch: 60005** 

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

	1410	IVID							
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 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

MB MB

MD MD

MR MR

Surrogate	%Recovery	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

	IVIB	INIR							
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 22:02	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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

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

Lab Sample ID: MB 880-60013/5-A **Matrix: Solid** 

**Analysis Batch: 60005** 

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

Prep Batch: 60013

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

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

Lab Sample ID: LCS 880-60013/1-A

**Analysis Batch: 60005** 

**Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Prep Batch: 60013

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS Surrogate %Recovery 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

Alialysis Datcil. 00003							LIEP	oaton. C	טו טטנ
_	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1184		mg/Kg		118	70 - 130	4	35
Toluene	0.100	0.1239		mg/Kg		124	70 - 130	22	35
Ethylbenzene	0.100	0.1276		mg/Kg		128	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2443		mg/Kg		122	70 - 130	6	35
o-Xylene	0.100	0.1218		mg/Kg		122	70 - 130	5	35

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

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

Lab Sample ID: MB 880-60321/1-A

MD MD

**Matrix: Solid** 

**Analysis Batch: 60520** 

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

Prep Batch: 60321

	IVID	IVID								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1	
C10-C28)										
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/18/23 19:44	1	

Dil Fac

#### QC Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

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

Lab Sample ID: MB 880-60321/1-A

**Matrix: Solid** 

**Analysis Batch: 60520** 

Lab Sample ID: LCS 880-60321/2-A

Lab Sample ID: LCSD 880-60321/3-A

**Client Sample ID: Method Blank** 

Analyzed

Prep Type: Total/NA Prep Batch: 60321

MB MB

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

MR MR

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 157 S1+ 70 - 130 130 70 - 130 o-Terphenyl

08/15/23 16:37 08/18/23 19:44 08/15/23 16:37 08/18/23 19:44

Prepared

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 60321

**Analysis Batch: 60520** Spike

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

C10-C28)

**Matrix: Solid** 

**Matrix: Solid** 

**Analysis Batch: 60522** 

**Matrix: Solid** 

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

**Prep Type: Total/NA** 

Prep Batch: 60321

**Analysis Batch: 60520** LCSD LCSD Spike %Rec **RPD** RPD Added Result Qualifier Limits Limit **Analyte** Unit D %Rec Gasoline Range Organics 1000 1087 109 70 - 130 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 859.8 mg/Kg 86 70 - 130 8 20 C10-C28)

Lab Sample ID: MB 880-60323/1-A

LCSD LCSD

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

**Client Sample ID: Method Blank** 

Prep Batch: 60323

MB MB

Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 08/15/23 16:42 08/18/23 19:44 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <50.0 U 50.0 08/15/23 16:42 08/18/23 19:44 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) 50.0 08/15/23 16:42 08/18/23 19:44 <50.0 U mg/Kg Total TPH <50.0 U 50.0 mg/Kg 08/15/23 16:42 08/18/23 19:44

MB MB

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

**Eurofins Carlsbad** 

Prep Type: Total/NA

Project/Site: WEU Seale Battery

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

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

Lab Sample ID: LCS 880-60323/2-A

**Matrix: Solid Analysis Batch: 60522**  **Client Sample ID: Lab Control Sample Prep Type: Total/NA** 

Prep Batch: 60323

**Prep Type: Total/NA** 

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

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

**Client Sample ID: Lab Control Sample Dup** 

**Matrix: Solid Analysis Batch: 60522** 

Lab Sample ID: LCSD 880-60323/3-A

Analysis Batch: 60522							Prep E	Batch: 6	60323
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	911.0		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over	1000	864.8		mg/Kg		86	70 - 130	1	20

C10-C28)

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

Lab Sample ID: 890-5038-3 MS

**Matrix: Solid** 

**Analysis Batch: 60522** 

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

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

C10-C28)

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

Lah Sample ID: 890-5038-3 MSD

Lab Sample ID. 090-3030-3 MSD						O.	nent Sam	טו שוע.	FIIUZ		
Matrix: Solid									<b>Prep Ty</b>	pe: Tot	al/NA
Analysis Batch: 60522									Prep E	Batch: (	60323
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1003		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	58.4	F1	1010	726.6	F1	mg/Kg		66	70 - 130	6	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	89	-	70 - 130								

**Eurofins Carlsbad** 

Client Sample ID: PH02

Project/Site: WEU Seale Battery

Job ID: 890-5038-1

SDG: Lea County NM

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

Lab Sample ID: 890-5038-3 MSD

**Matrix: Solid** 

**Analysis Batch: 60522** 

**Client Sample ID: PH02** Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Batch: 60323

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Client Sample ID: PH01** 

Client Sample ID: PH01

Client Sample ID: PH06

**Prep Type: Soluble** 

**Prep Type: Soluble** 

MSD MSD

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

Method: 300.0 - Anions, Ion Chromatography

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

**Analysis Batch: 59748** 

MB MB

Result Qualifier Analyte RL **MDL** Unit D Prepared Analyzed Dil Fac Chloride <5.00 5.00 08/09/23 20:02 U mg/Kg

Lab Sample ID: LCS 880-59539/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** 

**Analysis Batch: 59748** 

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

Lab Sample ID: LCSD 880-59539/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 59748** 

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

Lab Sample ID: 890-5038-1 MS

**Matrix: Solid** 

**Analysis Batch: 59748** 

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

Lab Sample ID: 890-5038-1 MSD

**Matrix: Solid** 

**Analysis Batch: 59748** 

MSD MSD **RPD** Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 34.9 251 305.9 108 90 - 110 mg/Kg

Lab Sample ID: 890-5038-11 MS

Released to Imaging: 12/22/2023 8:31:48 AM

**Matrix: Solid** 

**Analysis Batch: 59748** 

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



Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5038-11 MSD **Client Sample ID: PH06 Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 59748** 

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit D 123 F1 252 Chloride 300.4 F1 mg/Kg 70 90 - 110 20

Lab Sample ID: MB 880-59538/1-A Client Sample ID: Method Blank Matrix: Solid

**Prep Type: Soluble** 

**Analysis Batch: 59750** 

MB MB

Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Dil Fac <5.00 U 5.00 08/09/23 15:55 Chloride mg/Kg

Lab Sample ID: LCS 880-59538/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 59750** 

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

Lab Sample ID: LCSD 880-59538/3-A **Client Sample ID: Lab Control Sample Dup Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 59750** 

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

# **QC Association Summary**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

#### **GC VOA**

Prep Batch: 59927

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

#### **Analysis Batch: 59940**

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

# **GC VOA (Continued)**

### **Analysis Batch: 59940 (Continued)**

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

### Prep Batch: 59996

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

### **Analysis Batch: 60005**

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

### Prep Batch: 60013

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

### **Analysis Batch: 60118**

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

### **GC Semi VOA**

### Prep Batch: 60321

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

### Prep Batch: 60323

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

### **Analysis Batch: 60520**

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

### **Analysis Batch: 60522**

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

### **GC Semi VOA (Continued)**

### **Analysis Batch: 60522 (Continued)**

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

### **Analysis Batch: 60713**

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

### HPLC/IC

### Leach Batch: 59538

Released to Imaging: 12/22/2023 8:31:48 AM

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

# **HPLC/IC (Continued)**

### Leach Batch: 59538 (Continued)

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

#### Leach Batch: 59539

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

### **Analysis Batch: 59748**

Released to Imaging: 12/22/2023 8:31:48 AM

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

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Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

## **HPLC/IC (Continued)**

### **Analysis Batch: 59748 (Continued)**

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

### **Analysis Batch: 59750**

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

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Client Sample ID: PH01

Date Collected: 08/03/23 15:00 Date Received: 08/04/23 16:05

Lab Sample ID: 890-5038-1

**Matrix: Solid** 

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

**Client Sample ID: PH01** Lab Sample ID: 890-5038-2 Date Collected: 08/03/23 15:05 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 5035 59927 08/11/23 10:59 EL EET MID Prep 4.96 g 5 mL Total/NA 8021B 5 mL 08/11/23 17:13 SM **EET MID** Analysis 5 mL 59940 1 Total/NA Analysis Total BTEX 60118 08/14/23 14:44 SM **EET MID** 1 Total/NA 8015 NM **EET MID** Analysis 1 60713 08/21/23 11:18 SM Total/NA Prep 8015NM Prep 9.94 g 10 mL 60321 08/15/23 16:37 TKC **EET MID** Total/NA 8015B NM 1 uL 60520 Analysis 1 uL 08/19/23 05:04 SM **EET MID** Soluble 50 mL 59539 DI Leach 5 g 08/07/23 15:11 KS **EET MID** Leach 300.0 08/09/23 20:37 CH Soluble Analysis 1 59748 **EET MID** 

Client Sample ID: PH02 Lab Sample ID: 890-5038-3 Date Collected: 08/03/23 15:10 Matrix: Solid

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH02** Lab Sample ID: 890-5038-4 Date Collected: 08/03/23 15:15 **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			5.00 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-4

**Client Sample ID: PH02** Date Collected: 08/03/23 15:15

Matrix: Solid

Job ID: 890-5038-1

SDG: Lea County NM

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:48	CH	EET MID

**Client Sample ID: PH03** Lab Sample ID: 890-5038-5 Date Collected: 08/03/23 15:20

Date Received: 08/04/23 16:05

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 02:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		5			59748	08/09/23 20:54	CH	EET MID

**Client Sample ID: PH03** Lab Sample ID: 890-5038-6

Date Collected: 08/03/23 15:25 Date Received: 08/04/23 16:05

**Matrix: Solid** 

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

**Client Sample ID: PH04** Lab Sample ID: 890-5038-7 Date Collected: 08/03/23 15:30 **Matrix: Solid** 

Date Received: 08/04/23 16:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.93 g 1 uL	10 mL 1 uL	60323 60522	08/15/23 16:42 08/19/23 02:51	TKC SM	EET MID EET MID

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10/3/2023 (Rev. 1)

### Lab Chronicle

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-7

Job ID: 890-5038-1

SDG: Lea County NM

**Matrix: Solid** 

Client Sample ID: PH04 Date Collected: 08/03/23 15:30

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH04** Lab Sample ID: 890-5038-8

Date Collected: 08/03/23 15:35 Matrix: Solid Date Received: 08/04/23 16:05

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type Amount Amount** Number or Analyzed Type Run **Factor** Analyst Lab 5035 Total/NA Prep 4.99 g 5 mL 59927 08/11/23 10:59 EL **EET MID** Total/NA 8021B 5 mL 5 mL 59940 08/11/23 19:16 SM Analysis 1 EET MID Total/NA Analysis Total BTEX 60118 08/14/23 14:44 SM **EET MID** 1 Total/NA 8015 NM 60713 Analysis 08/21/23 14:34 SM **EET MID** Total/NA Prep 8015NM Prep 9.92 g 10 mL 60323 08/15/23 16:42 TKC **EET MID** EET MID 8015B NM 60522 Total/NA Analysis 1 uL 1 uL 08/19/23 03:13 SM Soluble DI Leach 5.04 g 50 mL 59539 08/07/23 15:11 KS **EET MID** Leach 59748 08/09/23 21:22 CH Soluble Analysis 300.0 5 **EET MID** 

**Client Sample ID: PH05** Lab Sample ID: 890-5038-9

Date Collected: 08/03/23 15:40 Matrix: Solid Date Received: 08/04/23 16:05

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

**Client Sample ID: PH05** Lab Sample ID: 890-5038-10 Date Collected: 08/03/23 15:45 Matrix: Solid

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:33	CH	EET MID

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-11

**Client Sample ID: PH06** Date Collected: 08/03/23 15:50

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH06** Lab Sample ID: 890-5038-12

Date Collected: 08/03/23 16:00 **Matrix: Solid** 

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH07** Lab Sample ID: 890-5038-13

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

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

**Client Sample ID: PH07** Lab Sample ID: 890-5038-14 Date Collected: 08/03/23 16:20 **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			4.97 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

**Eurofins Carlsbad** 

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**Matrix: Solid** 

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-14

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

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:19	CH	EET MID

Lab Sample ID: 890-5038-15

**Matrix: Solid** 

**Matrix: Solid** 

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

**Client Sample ID: PH08** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.03 g 1 uL	10 mL 1 uL	60323 60522	08/15/23 16:42 08/18/23 23:26		EET MID EET MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5 g	50 mL	59539 59748	08/07/23 15:11 08/09/23 22:24		EET MID EET MID

Lab Sample ID: 890-5038-16 **Client Sample ID: PH08** 

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:30	CH	EET MIC

**Client Sample ID: PH09** Lab Sample ID: 890-5038-17 Date Collected: 08/03/23 16:50

Date Received: 08/04/23 16:05

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

**Eurofins Carlsbad** 

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

### **Lab Chronicle**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-17 **Client Sample ID: PH09** Matrix: Solid

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

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

**Client Sample ID: PH09** Lab Sample ID: 890-5038-18 Date Collected: 08/03/23 17:00 Matrix: Solid

Date Received: 08/04/23 16:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:41	CH	EET MID

Lab Sample ID: 890-5038-19 **Client Sample ID: PH10 Matrix: Solid** 

Date Collected: 08/03/23 17:10 Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MI
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59539	08/07/23 15:11	KS	EET MI
Soluble	Analysis	300.0		1			59748	08/09/23 22:47	CH	EET MII

**Client Sample ID: PH10** Lab Sample ID: 890-5038-20 Date Collected: 08/03/23 17:20 Matrix: Solid

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:53	CH	EET MID

### **Lab Chronicle**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-21

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

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 21:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59538	08/07/23 15:08	KS	EET MID

1

Lab Sample ID: 890-5038-22

08/09/23 18:55 CH

59750

**Matrix: Solid** 

**EET MID** 

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

Client Sample ID: PH11

Analysis

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 19:02	CH	EET MID

**Laboratory References:** 

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

300.0

# **Accreditation/Certification Summary**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

### **Laboratory: Eurofins Midland**

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

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-23-26	06-30-24
,	•	ort, but the laboratory is ı	not certified by the governing authority.	This list may include analytes for which
the agency does not		Matrix	Analyto	
Analysis Method	offer certification. Prep Method	Matrix	Analyte	
0 ,		Matrix Solid	Analyte Total TPH	
Analysis Method				

## **Method Summary**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Job ID: 890-5038-1

SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal 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
800.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
Ol Leach	Deionized Water Leaching Procedure	ASTM	EET MID

### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### **Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## **Sample Summary**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

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

3

4

6

8

9

10

12

13

14

Received by OCD: 10/6/2023 9:23:08 AM



# **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	o.com	Page	_1 of3_
Project Manager:	Erick Herre	era			Bill to: (if	different	t)		_										W	ork O	rder C	omments	
Company Name:	Etech Envi	ironmental 8	Safety Sol	utions, Inc.	Compan	y Name	e:									Prog	ram: l	JST/P	ST 🗌	PRP[]	Brown	nfields R	RC Superfund
Address:	1300 W C	ounty Rd 10	0		Address	:											of Pr	•					
City, State ZIP:	Midland, T	exas 79711			City, Sta	te ZIP:										Repo	rting: L	evel II	Le	vel III	PST/	UST TR	RP Level IV
Phone:	(281)777-4			Email	erick@e		vn.con	n, jose	eph@	eteche	env.co	m				Deliv	erables	EDI			ADaPT	Ot Ot	ner:
Project Name:	10/5	EU Seale Ba	tton	Tues	n Around								ΔΝΔΙ	LYSIS	REC	UES	r					Prese	vative Codes
Project Number:	VVE	18343	ittery	☑ Routine	Rush		Pres.		Г		Π			10.0	1			Τ	T	П		None: NO	DI Water: H <sub>2</sub>
	1 0		Masina		5 T.		Code		-	-	1		-						<u> </u>		1	Cool: Cool	MeOH: Me
Project Location: Sampler's Name:		ounty, New Edyte Kona		Due Date:											1				ĺ		1	HCL: HC	HNO <sub>3</sub> : HN
PO#:		Layte Rona		the lab, if re			vs.			300.0				ļ	1	I	1	i	l	1	1 1	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEI	PT Te	emp Blank:	Yes No	Wet Ice:	Ye	No	eter	218	METHOD 8015M/D	93			11	1111111111	11111111		1111111111				I	H₃PO₄: HP	
Samples Received In		Yes No	Thermomet	er ID:	moc	57	Parameter	EPA METHOD 8021B	801	МЕТНОБ											1	NaHSO <sub>4</sub> : NA	BIS
Cooler Custody Seals	: Yes	No NA	Correction I		-0	13	Pa	욷	문	₩ ¥				Ш	144444	H H H		14 (1)	HHH		Į.	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na	SO <sub>3</sub>
Sample Custody Sea	ls: Yes	No N/A	Temperatu	e Reading:	5.	8		Æ	Ä	- EPA				90-503	1111111111 38 Ch	ain of	Custo	illillilli dv	1111111		- 1	Zn Acetate+	NaOH: Zn
Total Containers:			Corrected 7	emperature:	5.	Le		EPA	EPA				-	90-30	30 011		040.0					NaOH+Asco	rbic Acid: SAPC
Sample Iden	tification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех.	TPH-E	CHLORID												Samp	le Comments
PH0	1	s	8/3/2023	15:00	0.5'	G	1	Х	Х	X												Ir	cident ID:
PH0		s	8/3/2023		2'	G	1	X	X	Х												nAPF	2222254057
PHO		s	8/3/2023		0.5'	G	1	Х	Х	Х													
PH0	2	s	8/3/2023	15:15	2'	G	1	Х	X	X													
PH0	3	s	8/3/2023	15:20	0.5'	G	1	Х	Х	Х													
PH0	3	s	8/3/2023	15:25	2'	G	1	Х	Х	X													
PH0	4	s	8/3/2023	15:30	0.5'	G	1	Х	Х	X													
PH0	4	s	8/3/2023	15:35	2'	G	1	Х	Х	X													
PH0	5	s	8/3/2023	15:40	0.5'	G	1	Х	Х	X						_							
PH0	5	s	8/3/2023	15:45	2'	G	1	Х	X	X													
Total 200.7 / 60  Circle Method(s) an  lotice: Signature of this of service. Eurofins Xeno	d Metal(s)	relinguishment	ed of samples con	RCRA 13  TCLP / S  stitutes a valid	PLP 601	10: 8R	CRA	Sb A	s Ba	Be offins X	Cd Cr	Co	Cu Pl	b Mn	Mo	Ni Se	Ag	ri U	rms an	Hg: 1	1631 / 2	a Sr TI Sn 245.1 / 747	
of Eurofins Xenco. A min	imum charge	of \$85.00 will be	applied to eac	h project and a	charge of \$	5 for eacl	h sampl	e subm	itted to	Eurofin	s Xenco	, but no	t analyz	ed. The	se term	s will b	e enforc	ed unle	ss prev	lously ne	egotiated	l.	
Relinquished by	: (Signature	(=)	Receive	d by: (Signa	iture)			Date	/Time		R	elinqu	ished	by: (S	ignatu	іге)		Rec	eived	by: (Si	ignature	e)	Date/Time
500	THE REAL PROPERTY.		,	/			2 //	^		-													

Received by OCD: 10/6/2023 9:23:08 AM



# **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

Mork	Order	No:				
AAOIK	Oldel	NO.	_	 	 	

																$\neg$	F					o.com		_20i3
Project Manager:	Erick	Herrera				Bill to: (if	different	t)								_							Comments	
Company Name:	Etech	Environn	nental &	Safety Solu	utions, Inc.	Compar	y Name	9:								_	Prog	ram: l	JST/PS	Τ 🗌	PRP[	Brow	nfields R	RC Superfu
Address:	1300	W County	Rd 100	)		Address	:											of Pr	•			_	_	_
City, State ZIP:	Midla	nd, Texas	79711			City, Sta	te ZIP:										1							RP Levell
Phone:	(281)	777-4152			Email:	erick@	etechev	n.con	n, jose	eph@e	eteche	env.co	m				Deliv	erables	: EDD			ADaP	<u>г 🗆 о</u>	her:
Project Name:		WEU S	eale Bat	tery	Turr	n Around								ANA	LYSIS	REC	UEST						Prese	rvative Codes
Project Number:	***	1	8343		☑ Routine	Rush	1	Pres.															None: NO	DI Water:
Project Location:	L	ea Count	v. New N	/lexico	Due Date:	5 T	AT																Cool: Cool	MeOH: Me
Sampler's Name:			e Konan		TAT starts th	ne day rece	eived by										1						HCL: HC	HNO3: HN
PO #:	the lab,						received by 4:30pm		_	۵	300												H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEI	ECEIPT Temp Blank: Yes No We					Yes	Parameters	METHOD 8021B	8015M/D	METHOD 300.0												H₃PO₄: HP		
Samples Received In	eived Intact: Yes No Thermometer							Ta l	8 00		ᇤ												NaHSO₄: N	
Cooler Custody Seal	s:	Yes No	N/A	Correction (				9	Ĕ	METHOD	EPA M												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na	
Sample Custody Sea	is:	Yes No	N/A	Temperatu					A ME	¥	1 1												Zn Acetate+	
Total Containers:				Corrected	emperalure:	L			EP/	EPA													NaOH+Asco	orbic Acid: SAPC
Sample ider	tificati	ion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех	TPH-	CHLORIDE												Samp	le Comments
PHO	6		s	8/3/2023	15:50	0.5'	G	1	Х	X	Х												lr.	ncident ID:
PHO	6		S	8/3/2023	16:00	1'	G	1	Х	X	Х												nAP	2222254057
PHO	7		S	8/3/2023	16:10	0.5'	G	1	Х	Х	Х										ļ.,			
PHO	7		s	8/3/2023	16:20	1'	G	1	X	Х	X													
PHO	8		s	8/3/2023	16:30	0.5'	G	1	Х	X	Х													
PHO	8		s	8/3/2023	16:40	1'	G	1	Х	Х	X													- Age, - March
PHO	9		S	8/3/2023	16:50	0.5'	G	1	Х	X	Х													
PHO	9		S	8/3/2023	17:00	1'	G	1	Х	X	Х													
PH1	0		s	8/3/2023	17:10	0.5'	G	1	X	X	Х													
PH1	0		s	8/3/2023	17:20	1'	G	1	X	Х	Х											<u></u>		
Total 200.7 / 6	010	200,8 / 6	020:	8	BRCRA 13	РРМ Т	exas 11	AI S	Sb As	s Ba	Be B	Cd	Ca Cı	Co	Cu Fe	Pb	Mg N	In Mo	Ni K	Se	Ag S	iO <sub>2</sub> N	la Sr Tl Sr	U V Zn
Circle Method(s) ar					TCLP / S																		245.1 / 747	
otice: Signature of this f service. Eurofins Xen f Eurofins Xenco. A mil	o will h	e lishle only	for the cos	t of samples a	nd shall not ass	ume any re	sponsibil	lity for a	ny loss	es or e)	penses	incurre	d by the	client i	f such l	osses a	re due	lo circu	nstance	s beyor	nd the c	ontrol	ed.	
Relinquished by	r: (Siar	nature)	/	Receive	d by: (Signa	ature)			Date	/Time		R	elinqu	ished	by: (Si	ignati	ıre)		Rece	eived	by: (Si	ignatu	re)	Date/Time
16.01	(91		1	11	1			5.4	1.0	2	11 -	5	<u>-</u>											

Revised Date 06/25/2020 Rev 2020 2

Received by OCD: 10/6/2023 9:23:08 AM

### 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:	

																$\neg$					.xenc			3 of	3
Project Manager:	Erick	Herrera				Bill to: (if	differen	t)								-							Comments		
Company Name:	Etech	Environm	nental &	Safety Solu	tions, Inc.	Compar	y Name	):								_				Т	PRP[	Brov	wnfields 🗌 F	RC Sup	erfund [
Address:	1300	W County	Rd 100			Address	:										State		•			_	_		_
City, State ZIP:	Midla	nd, Texas	79711			City, Sta	te ZIP:									_	Reporting: Level II Level III PST/UST TRRP Level IV						evel IV L		
Phone:	(281)	777-4152			Email:	erick@	eteche	n.con	n, jose	eph@	eteche	env.co	m_				Delive	rables	: EDD			ADaP	ή Ц О	ther:	
Project Name:		WEU S	eale Bat	tery	Turr	Around								ANA	LYSIS	REQ	UEST						Pres	ervative C	odes
Project Number:		1	8343		☑ Routine	☐ Rush	1	Pres. Code														_	None: NO	DI W	ater: H <sub>2</sub> O
Project Location:	L	ea County	y, New N	/lexico	Due Date:	5 T	AT																Cool: Cool		H: Me
Sampler's Name; PO #:		Edyte	e Konan		TAT starts the			ν <sub>2</sub>	_		EPA METHOD 300.0												HCL: HC H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	HNO NaO	l₃: HN H: Na
SAMPLE RECE	IPT	Temp E	Blank:	Yes No	Wette:	Yes	No	ete	Parameters EPA METHOD 8021B PA METHOD 8015M/D		0												H <sub>3</sub> PO <sub>4</sub> : HP		
Samples Received I	ntact:		No	Thermomet	er ID:			Tar			E											i .	NaHSO₄: N		
Cooler Custody Sea	is:	Yes No	N/A	Correction F	actor:			à	Ĕ	문	\ ×												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : N		
Sample Custody Se Fotal Containers:	als:	Yes No	N/A	Corrected T					EPA ME	- EPA MET													Zn Acetate NaOH+Asc	+NaOH: Zn corbic Acid: \$	SAPC
Sample Ide	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех.	TPH-E	CHLORIDE												Sam	ple Comm	ents
PH	11		s	8/3/2023	17:25	0.5'	G	1	Х	X	X													ncident ID:	
PH			s	8/3/2023	17:35	6'	G	1	Х	Х	Х											┼	nAP	P2222254	057
											<del> </del>														
					-	to	4																		
											_														
Total 200.7 / Circle Method(s) a		200.8 / 6			RCRA 13															Se	Ag S Hg:	iO <sub>2</sub> N 1631	Na Sr TI S / 245.1 / 74	n U V Zn 70 / 7471	
Notice: Signature of this of service. Eurofins Xerof Eurofins Xerof Eurofins Xerof. A m	docume	ent and reling	uishment	of samples con	stitutes a valid	purchase o	rder fron	client o	compan	y to Eu	rofins X	enco, it	affiliat	es and :	subconti	ractors.	It assig	ns star	dard te	s beyo	d condi	tions ontrol			

Relinguished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 - 10-11	100	8.4.23 160	25		
3			4		
5	V		6		
	L		<u></u>		Revised Date 08/25/2020 Rev 2020

### **Login Sample Receipt Checklist**

Client: Etech Environmental & Safety Solutions

Job Number: 890-5038-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad Login Number: 5038

List Number: 1 Creator: Clifton, Cloe

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	

Released to Imaging: 12/22/2023 8:31:48 AM

### **Login Sample Receipt Checklist**

Client: Etech Environmental & Safety Solutions

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

**List Source: Eurofins Midland** 

List Creation: 08/08/23 10:38 AM

Login Number: 5038 List Number: 2

Creator: Rodriguez, Leticia

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 sampered 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	
s 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 ITs)	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	

Released to Imaging: 12/22/2023 8:31:48 AM



November 22, 2023

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

RE: WEST EUMONT UNIT SEALE BATT

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 11/20/2023 Reported: 11/22/2023

WEST EUMONT UNIT SEALE BATT

Project Number: KH237050

Project Location: NONE Sampling Date: 11/20/2023

Sampling Type: Soil

\*\* (See Notes) Sampling Condition: Sample Received By: Tamara Oldaker

### Sample ID: PH06 4' (H236315-01)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2023	ND	201	100	200	3.94	
DRO >C10-C28*	<10.0	10.0	11/20/2023	ND	194	97.2	200	11.4	
EXT DRO >C28-C36	<10.0	10.0	11/20/2023	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 11/20/2023 Reported:

Project Name: WEST EUMONT UNIT SEALE BATT

Project Number: KH237050 Project Location: NONE

Sampling Type: Soil 11/22/2023 Sampling Condition: \*\* (See Notes)

Sampling Date:

Sample Received By: Tamara Oldaker

11/20/2023

#### Sample ID: PH06 5' (H236315-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2023	ND	201	100	200	3.94	
DRO >C10-C28*	<10.0	10.0	11/20/2023	ND	194	97.2	200	11.4	
EXT DRO >C28-C36	<10.0	10.0	11/20/2023	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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### Analytical Results For:

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

Received: 11/20/2023 Reported: 11/22/2023

WEST EUMONT UNIT SEALE BATT

Project Name: Project Number: KH237050

Project Location: NONE Sampling Date: 11/20/2023

Sampling Type: Soil

Sampling Condition: \*\* (See Notes) Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2023	ND	201	100	200	3.94	
DRO >C10-C28*	<10.0	10.0	11/20/2023	ND	194	97.2	200	11.4	
EXT DRO >C28-C36	<10.0	10.0	11/20/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 11/20/2023 Reported: 11/22/2023

Project Name: WEST EUMONT UNIT SEALE BATT

ma/ka

Project Number: KH237050

Project Location: NONE

Sampling Date: 11/20/2023

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Tamara Oldaker

### Sample ID: PH05 4' (H236315-04)

RTFY 8021R

B1EX 8021B	mg,	кg	Апатуге	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Me Sough



### Analytical Results For:

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

Received: 11/20/2023 Reported: 11/22/2023

WEST EUMONT UNIT SEALE BATT

ma/ka

Project Name: WEST EUM
Project Number: KH237050
Project Location: NONE

Sampling Date: 11/20/2023

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Tamara Oldaker

### Sample ID: PH05 5' (H236315-05)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Applyzod By: 1H /

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Me Sough



11/20/2023

Soil

### Analytical Results For:

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

Received: 11/20/2023 Sampling Date: Reported: 11/22/2023 Sampling Type:

Project Name: WEST EUMONT UNIT SEALE BATT Sampling Condition: \*\* (See Notes)
Project Number: KH237050 Sample Received By: Tamara Oldaker

Project Location: NONE

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

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Mile Sough



### **Notes and Definitions**

QR-04 The RPD for the BS/BSD was outside of historical limits.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Mule Sough

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tessus n	BILL TO	ANALYSIS REQUEST
Project Manager: Trun's Cusay	P.O. #:	
Address: 4526 W PI =1C1 SE	Company: 40 ACTE ENMSY	
City: Cus 15 bend State: NM Zip: 88220	Attn: James Mustinez	
Phone #: 575689 5949 Fax #:	Address:	
Project #: K11237050 Project Owner: 40 Acre Gna	y City:	4
Project #: K11237950 Project Owner: 40 Acre Gna Project Name: West Euron tunt Seule But	State: Zip:	
Project Location:	Phone #:806 470 82 78	
Sampler Name: 150015 Cus-16	Fax #:	1
FOR LAB USE ONLY MATRI	PRESERV. SAMPLING	
(G) RAB OR (C) OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:  AMIL  AMIL	TPH STEX
1 PHO6 41 61 X	1 11-29 1125	
2 PItO6. 5' CI A	1. 1128	
1 PHO6 41 C1 X 2 PHO6. 5 C1 A 3 PHO6.1 0.5-1 C1 A 4 PHO5 41 C1 A 5 PHO5 5 C1 A	1039	
4 8405 4 61 1	A 1115	
5 PHOS 5' (1) K	1120	
6 8 HOS 0.5-1' CI K	. 4 1 1032	
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in will service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interru	ng and received by Cardinal within 30 days after completion of tions, loss of use, or loss of profits incurred by client, its subsi	f the applicable liaries,
affiliates or successors arising out of or related to performance of services hereunder by Cardinal, regardless of whether suc Relinquished By:    Received By:	Verbal F	lesult:    Yes    No Add'l Phone #:
Relinquished By:  Date:  1-20-23  Received By:		ts are emailed. Please provide Email address:

	amiliates or successors arising out of or related to . • performance	e of services hereunder by Cardinar, regard	dess of whether such claim is base	od aport arry of the above otalic.	4					
	Relinguished By:	Date: Receiv	ed By:	0.1.1	Verbal Result:   Yerbal Result:		Add'l Phone #:			
		11-20-23		0////////	All Results are emailed	. Please provide	e Email address:		7	
	7 56	Time: 1230	1/211/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	MARIAN XIV				90	g 22	
	1111111	100	ally cold is	my le						
/	Relinquished By:	Date: Receiv	ed By:		REMARKS:					
	Y .	Time:								
		1 Town 90 / 3	Sample Condition	CHECKED BY:	Turnaround Time:	Standard	Bactoria (	only) San	mple Condition	
	Delivered By: (Circle One)	bserved Temp. °C 4.0	Cool Intact	(Initials)	Turnaround Time.	Rush	Cool Inta		Observed Temp. °C	
	a luna nu other	ownested Tomp °C	Yes Yes	(IIIIIais)	Thermometer ID #140	rtadii	Yes		observed remp. C	
	Sampler - UPS - Bus - Other: Co	orrected Temp. °C	□ No □ No	Ai.	Correction Factor 0°C		□ No □		Corrected Temp. °C	
	FORW-000 R 3.4 07/11/23		LI NO LI NO		The second secon	3	110		- cc.	_



December 04, 2023

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

RE: WEST EUMONT UNIT SEALE BATTERY

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 11/29/2023 Reported: 12/04/2023

WEST EUMONT UNIT SEALE BATTERY

Project Number: NONE GIVEN

Project Location: NONE

Project Name:

Sampling Date: 11/29/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.1	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



11/29/2023

Soil

### Analytical Results For:

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

Received: 11/29/2023 Reported: 12/04/2023

12/04/2023 Sampling Type:

Applyzod By: 1H /

Project Name: WEST EUMON Project Number: NONE GIVEN

ma/ka

WEST EUMONT UNIT SEALE BATTERY Sampling Condition: Cool & Intact
NONE GIVEN Sample Received By: Tamara Oldaker

Sampling Date:

Project Location: NONE

### Sample ID: PH08 1.5' (H236423-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 5

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Justice			BILL TO		ANALYSIS RE	OLIEST
Company Name: Territion  Project Manager: Trus Cus	ry		P.O. #:		THE RESERVE	QOLO1
Address: 4424 W. Pin	roc St.		Company: 40 Acros	1		
Address: 4426 W. Pin City: Ciels buil	State: VM Z	ip: 88220	Attn: Sums Multingz			
Phone #: 684 5949	Fax #:	W 1	Address:			
Project #:	Project Owner:		Cibr			
Project Name: West Eumont	Unit S.	It Butter.	State: Zip:			
Project Location:	270	vie getal	Phone #:	1		
Sampler Name: Towns Con	Sry		Fax #:	1		
FOR LAB USE ONLY	7	MATRIX	PRESERV. SAMPLING	1		
Lab I.D. Sample I.I. 133423 1 P1+66.1 22 2 P1+08		#CONTAINERS #CONTAINERS GROUNDWATER WASTEWATER  OIL	Studge OTHER: ACID/BASE: ACID/BAS	77 XX		
celinquished By:  celinquished By:  Delivered By: (Circle One)  Obse	ental damages, including without	out limitation, business interruptional, regardless of whether such call,	and received by Cardinal within 30 days after completion of the same of the sa	e applicable es, e. sult: Yes No are emailed. Please provic :		Sample Condition Observed Temp. °C

# **APPENDIX G**

# **NMOCD Notifications**

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



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: <u>image001.png</u>

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

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

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

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



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

# **APPENDIX H**

# Original Submitted RWP





# REMEDIATION WORK PLAN

West Eumont Unit Seale Battery

Lea County, New Mexico

Incident Number NAPP2222254057

Prepared for:
Forty Acres Energy, LLC
11757 Katy Freeway, Suite 725

Houston, TX 77079

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette



### **SYNOPSIS**

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Forty Acres Energy, LLC (FAE), presents the following Remediation Work Plan (RWP) detailing site assessment and delineation soil sampling activities associated with inadvertent release of crude oil and produced water at the West Eumont Unit Seale Battery (Site). Based on field observations, information provided by FAE, and review of the laboratory analytical results from soil sampling activities at the Site, FAE proposes this RWP, which summarizes initial response efforts and details remediation objectives to complete the characterization of the subject release and request No Further Action (NFA) in a follow up Closure Request Report (CRR).

# SITE LOCATION AND RELEASE BACKGROUND

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

On August 10, 2022, it was discovered that a tank overflowed and released approximately 1 barrel (bbls) of crude oil and 6 bbls of produced water onto the production pad surface and into the adjacent southern pasture. Vacuum trucks were immediately dispatched and recovered approximately 1 bbls crude oil and 4 bbls produced water. FAE reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on August 10, 2022, and was subsequently assigned Incident Number NAPP2222254057. Initial response efforts included the removal of immediate soil impacts up to 5.5 feet below ground surface (bgs) based on visual observation, totaling 208 cubic yards (CYs). FAE provided a map of the release extent which is presented as the Area of Concern (AOC) on **Figure 2** in **Appendix A**. FAE has since backfilled the excavation inside the containment with caliche in an effort to mitigate potential safety hazards by restoring the stability of active production equipment.

### SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Depth to groundwater at the Site is estimated to be greater than 100 feet bgs based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.58-mile southeast of the Site. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted rotary drill rig equipped with hollow stem

Remediation Work Plan Incident Number NAPP2222254057 West Eumont Unit Seale Battery



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

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

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

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

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

### SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From July 20, 2023, to August 3, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and verify the presence or absence of remaining residual impacted soil within and around the AOC. Eleven delineation potholes (PH01 through PH11) were advanced via mechanical equipment and/or hand auger to assess the lateral and vertical extents of the AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

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

### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all delineation soil samples were below the applicable Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** in **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included in **Attachment F**.

### PROPOSED REMEDIATION WORK PLAN

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

Remediation Work Plan Incident Number NAPP2222254057 West Eumont Unit Seale Battery



- Initial response efforts including fluid recovery and excavation have mitigated impacts at the Site, and as such, it appears that residual impacts have been excavated and removed in accordance with the applicable Site Closure Criteria.
- Additional delineation soil sampling is required to supplement defining the eastern and western horizontal peripheries of the AOC.

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

- Collecting an additional delineation soil sample east of PH06 and west of PH08 at 0.5- and 1-foot bgs. The samples will be collected, handled and analyzed for BTEX, TPH and chloride by an accredited lab.
- Submitting a CRR with additional delineation soil samples demonstrating concentrations of COCs have defined the horizontal periphery of the AOC and requesting NFA.

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

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

Joseph S. Hernandez

Senior Managing Geologi

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera Staff Geologist

Erich

David Schellstede, Forty Acres Energy

New Mexico Oil Conservation Division

Appendices:

CC:

Appendix A Figure 1: Site Map

Figure 2: Delineation Soil Sample Locations

Appendix B Referenced Well Records

Appendix C Soil Sampling Logs
Appendix D Photographic Log

Appendix E Tables

**Appendix F** Laboratory Analytical Reports & Chain-of-Custody Documentation

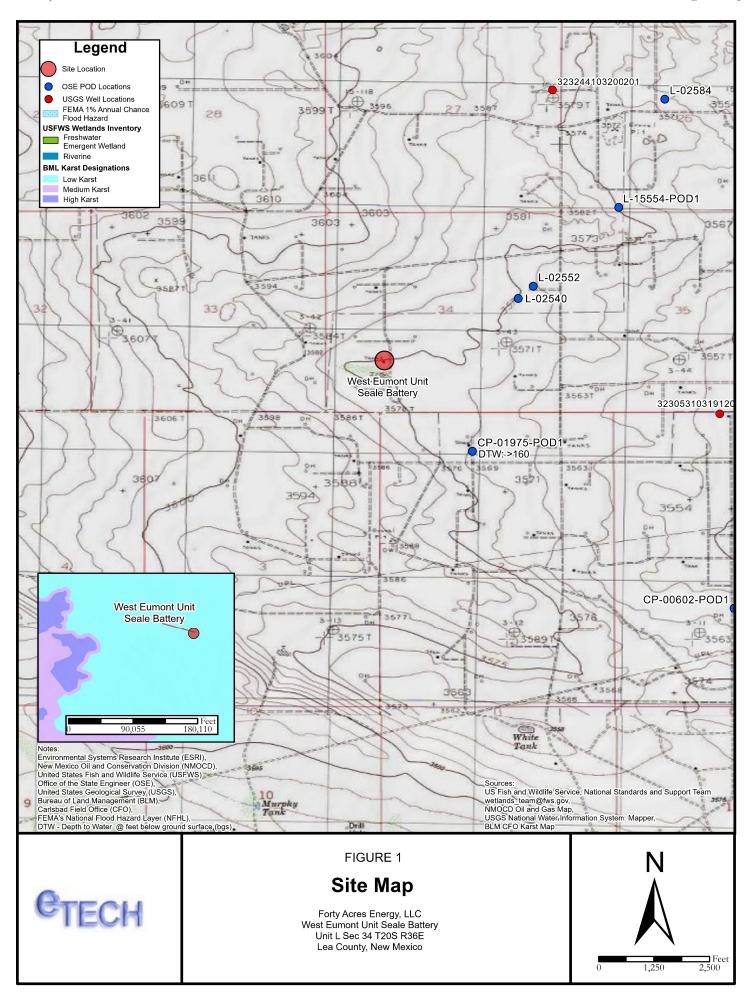
Appendix G NMOCD Notifications

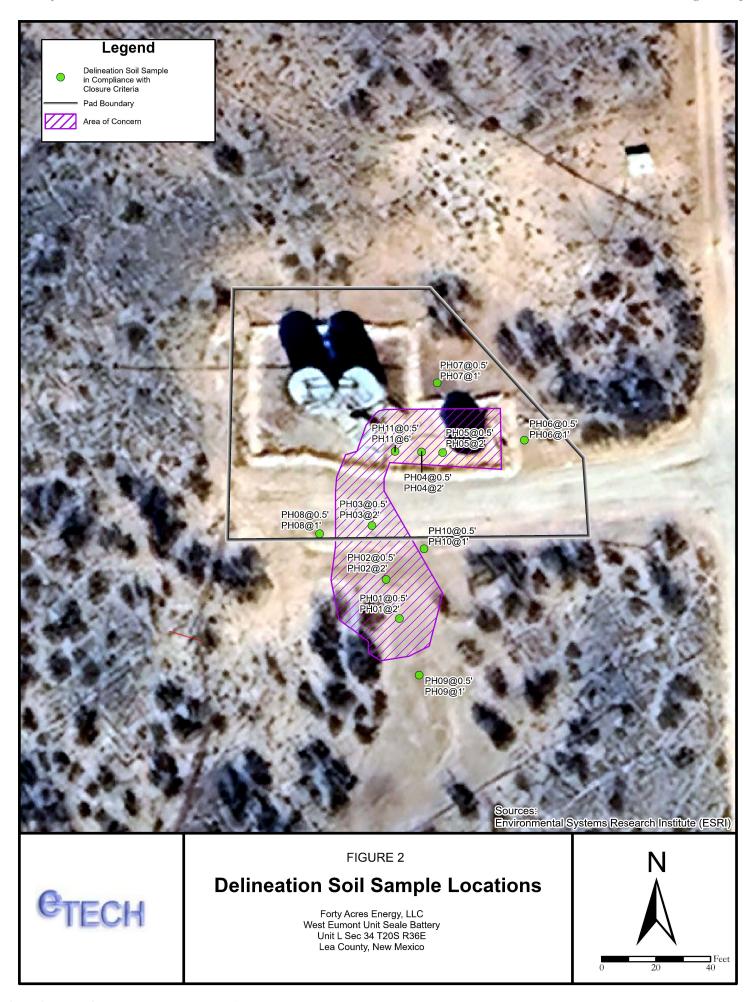
Remediation Work Plan Incident Number NAPP2222254057 West Eumont Unit Seale Battery

# **APPENDIX A**

**Figures** 







# **APPENDIX B**

Referenced Well Records





NC	OSE POD NO POD-1	. (WELL NO.	)		WELL TAG ID NO. 213A19			OSE FILE NO( CP-1975	S).			
GENERAL AND WELL LOCATION	WELL OWNI							PHONE (OPTI	ONAL)			
07	WELL OWN		ADDRESS					CITY		STATE	2	ZIP
WELI	Box 6	EK WIMIEING	ADDRESS					Monument		NM	88265	ZII
ND.	WELL		DE	GREES	MINUTES	SECON	DS					
ΓY	LOCATIO	N LAT	TITUDE	32	31	09.6	6 <sub>N</sub>	* ACCURACY	REQUIRED: ONE TEN	ГН ОГ А	SECOND	
ERA	(FROM GP	(S)	NGITUDE	103	20	24.7	7 W	* DATUM REG	QUIRED: WGS 84			
EN	DESCRIPTION	<u> </u>	IG WELL LOCATION TO	STREET ADDI	RESS AND COMMON	N LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AV	AILABLE	
1.0												
	LICENSE NO		NAME OF LICENSED	DRILLER					NAME OF WELL DR			
	183	39			Boyd Coffey					Coffey I	Orilling	
	DRILLING S		DRILLING ENDED	DEPTH OF CO	MPLETED WELL (F)	T)		E DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT)				
	8-24-2	2023	8-24-2023		160			160		N		
Z	COMPLETEI	O WELL IS:	ARTESIAN	✓ DRY HO	LE SHALLO	W (UNCON	IFINED)		STATIC WATER LEV	EL IN C		LL (FT)
TIO	DRILLING F	LUID:	AIR	✓ MUD	ADDITIV	ES – SPEC	IFY:		•			
ORMA	DRILLING M	IETHOD:	✓ ROTARY	П намме	R CABLE T	TOOL	ОТНЕ	R – SPECIFY:				
INF	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	O/OR	CA	SING	CASING	CAS	SING WALL	SLOT
CASING INFORMATION	FROM	ТО	DIAM (inches)		GRADE each casing string, sections of screen)		CONN T	NECTION YPE ing diameter)	INSIDE DIAM. (inches)	TH	IICKNESS (inches)	SIZE (inches)
& CA	0	20	10		PVC	,	•	bell	5		sdr 21	
NG 8	20	100	8.75		PVC			bell	5		sdr 21	
2. DRILLING	100	120	8.75		PVC			bell	5		sdr 21	0.020
ORII	120	160	8.75		PVC			bell	5		sdr 21	
2. ]												
									<u> </u>	<u> </u>		
,	DEPTH	(feet bgl)	BORE HOLE	1	ST ANNULAR SE				AMOUNT		METHO	
IAI	FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE-			RVAL	(cubic feet)		PLACEM	
TER	0	20	10		3/8 Bentor		lug		8		Pour	
MA	20	160	8.75		3/8 pe	ea gravel			38		Pour	r ———
ANNULAR MATERIAL												
ION												
3.				-						+		

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

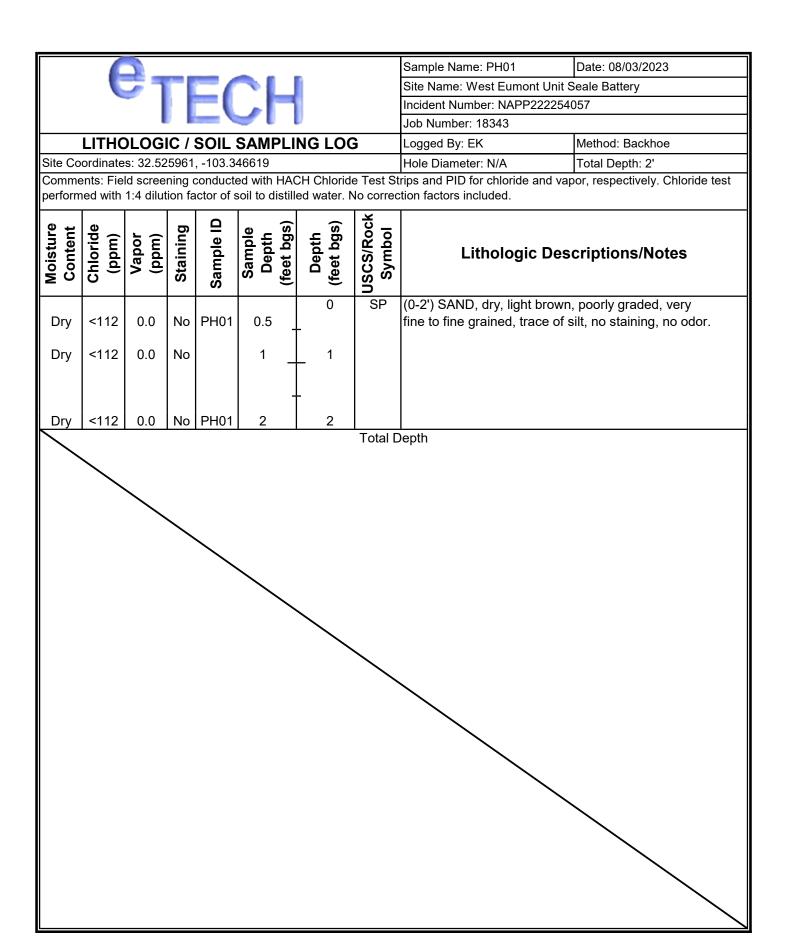
	DEPTH (1	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	_		_			ZONES (gpm)
	0	5	5	Red Sandy Top Soil	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	
T	108	160	52	Red Clay	Y ✓ N	
WEI					Y N	
OF					Y N	
00					Y N	
ист					Y N	
507					Y N	
EO					Y N	
ROC					Y N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
4.1					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD U	SED TO ES	I TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
	PUMI			BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	0.00
	ПРОМІ	- ПА	IK LIFI V	BAILEROTHER - SPECIFY:		
ION	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE		
TEST; RIG SUPERVISION	MISCELLA	NEOUS INF	FORMATION:			
PER						
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; RIG						
EST	PRINT NAM	4E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TE	IAN LICENSEE:
5. T		12(0) 01 2				
3E	RECORD O	F THE ABC	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA	S BEEN INSTALLED AN	ND THAT THIS
SIGNATURE	WELL REC	ORD WILL	ALSO BE FILED	WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPL	ETION OF WELL DRILI	LING.
IGN,						
6. SI						
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
FOI	OSE INTER	NIAI LICE		WD 20 WEI	I RECORD & LOG (Ve	04/20/2010)

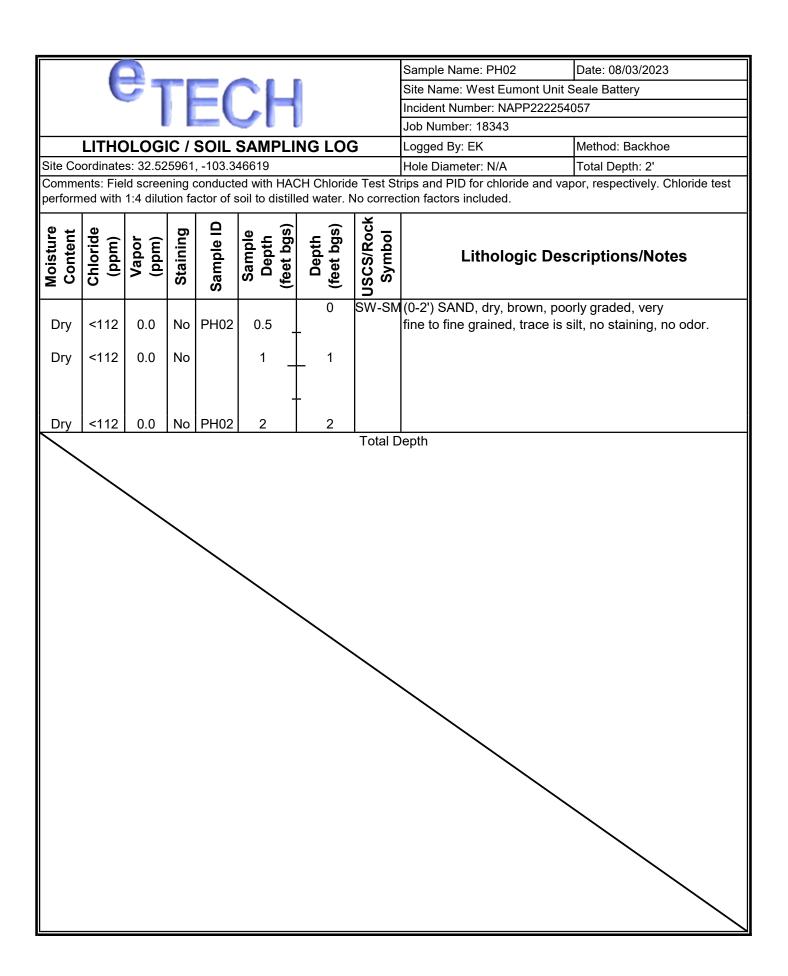
FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 04/30/2019)			
FILE NO.	POD NO.		TRN NO.			
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2		

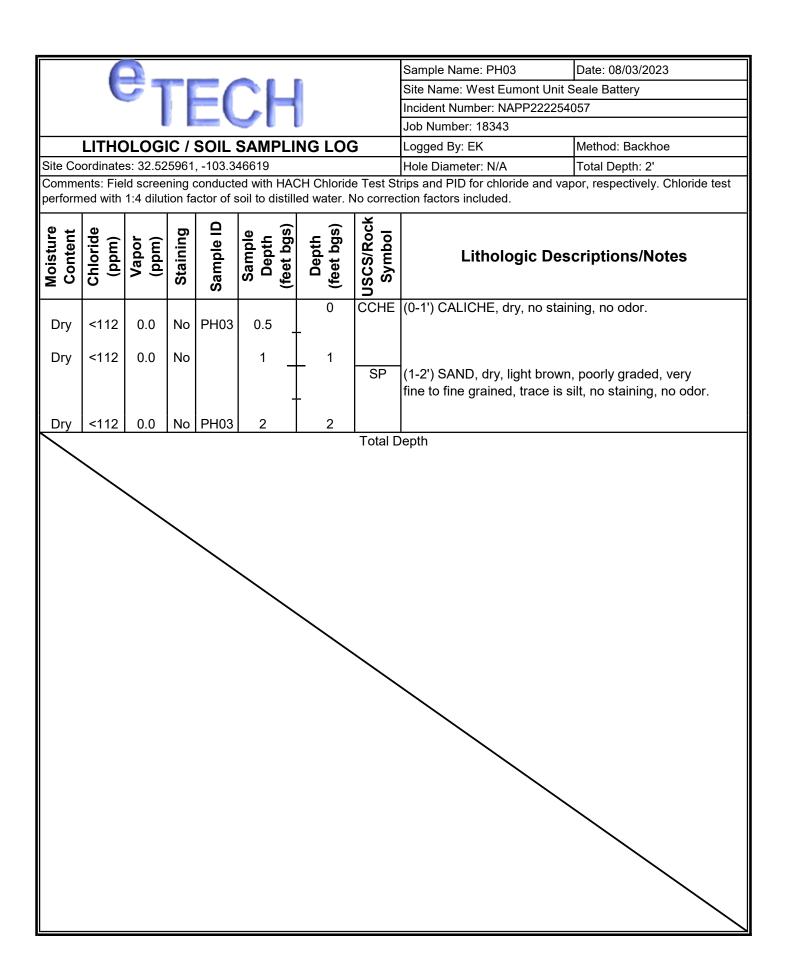
# **APPENDIX C**

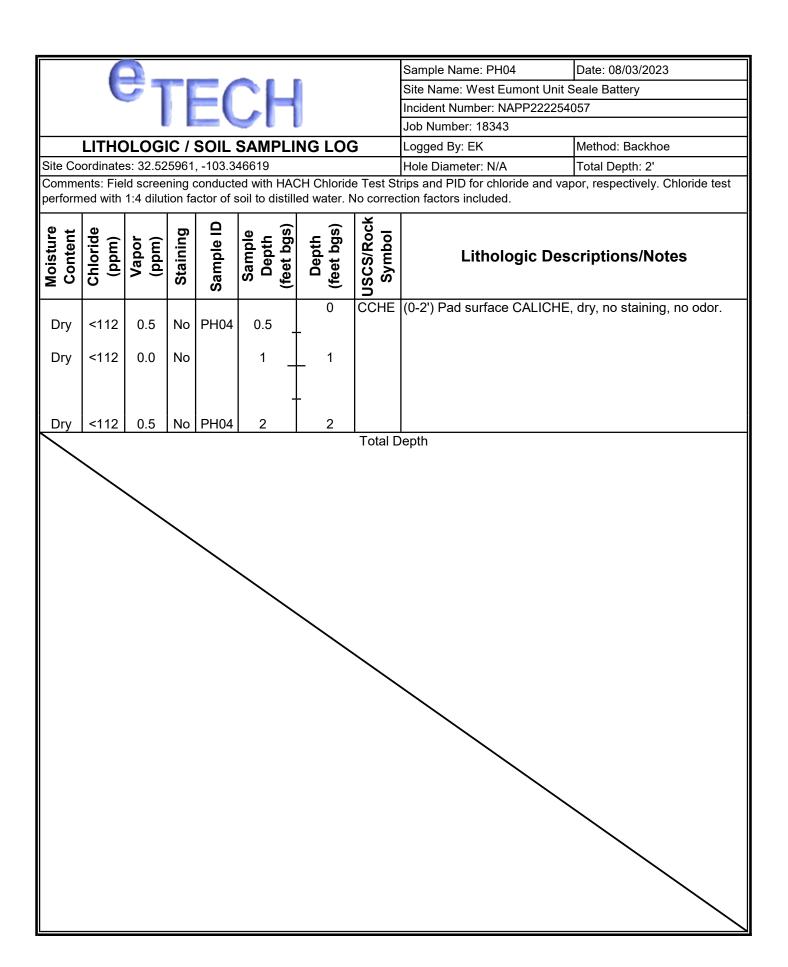
Soil Sampling Logs

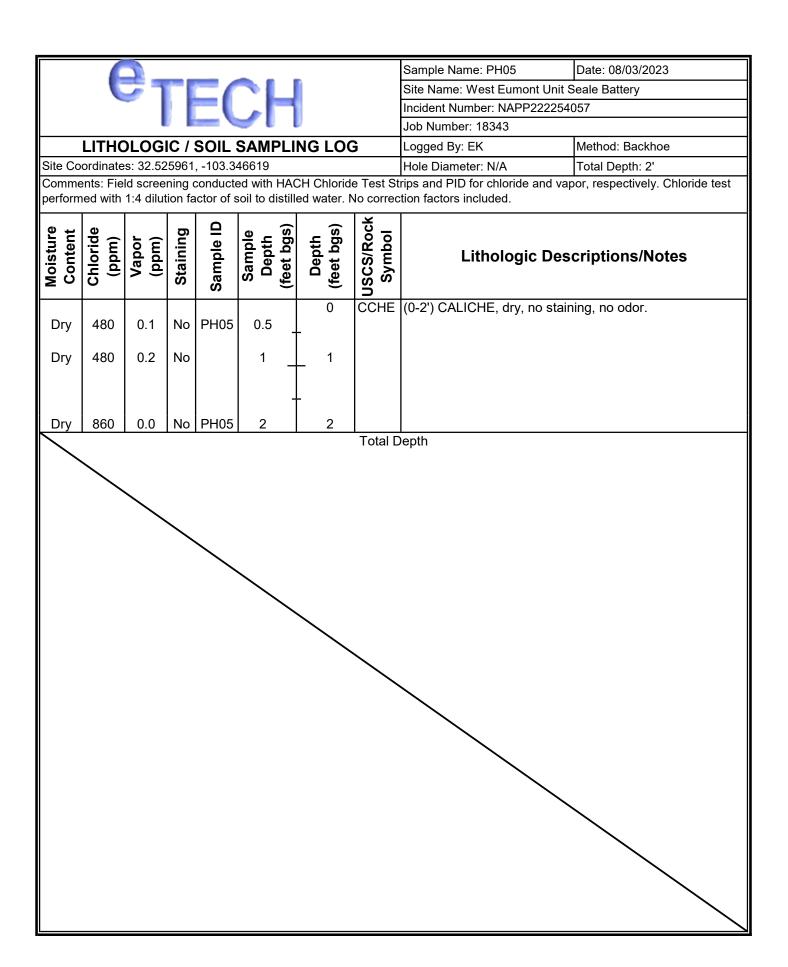


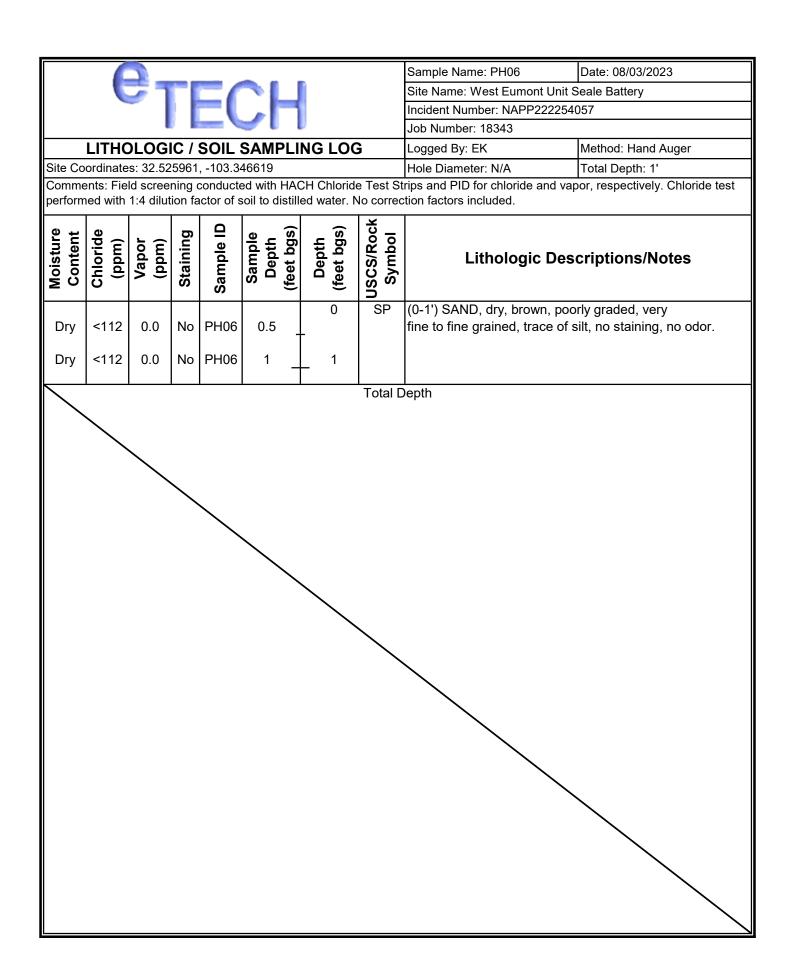


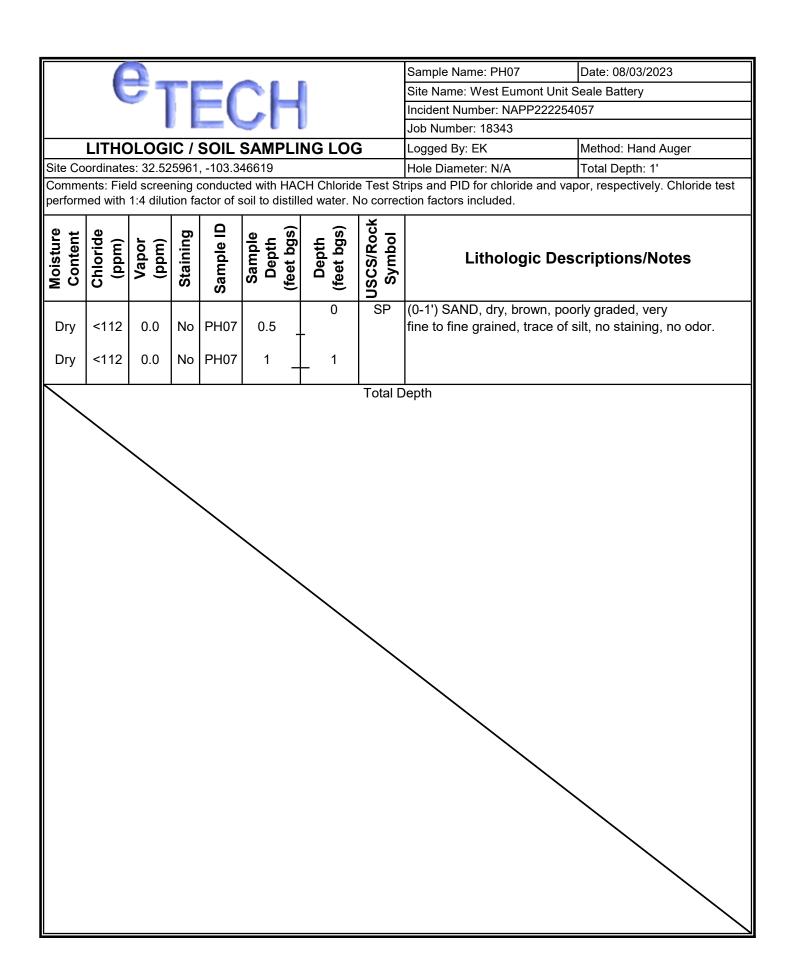


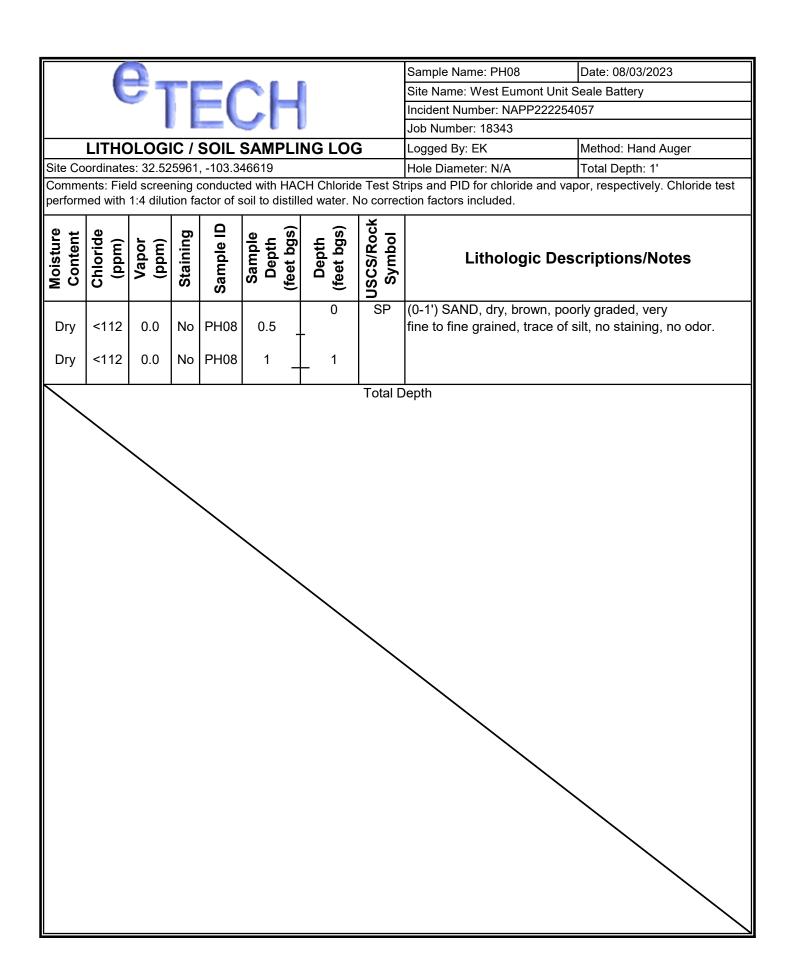


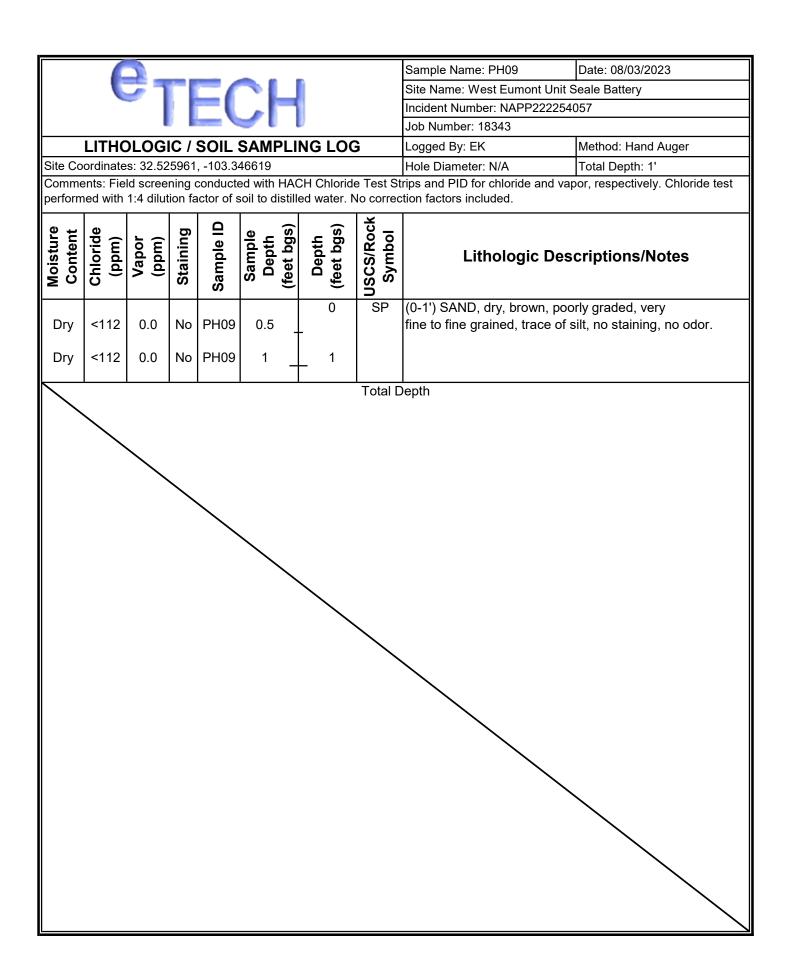


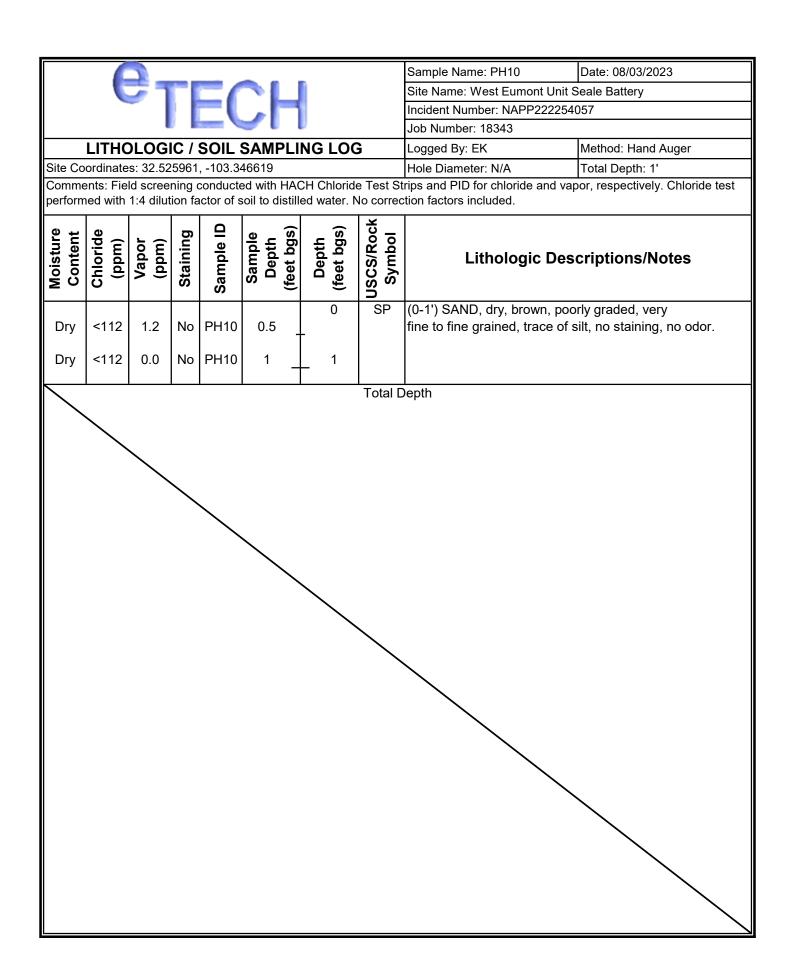


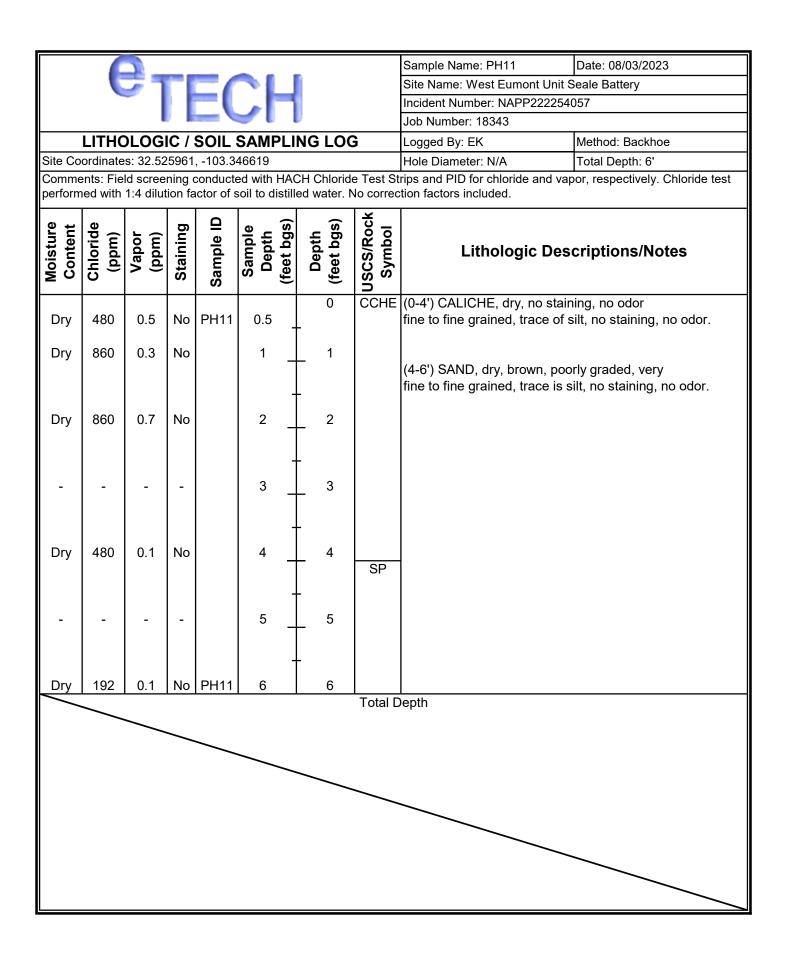












# APPENDIX D

Photographic Log



# **e**TECH

# **PHOTOGRAPHIC LOG**

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



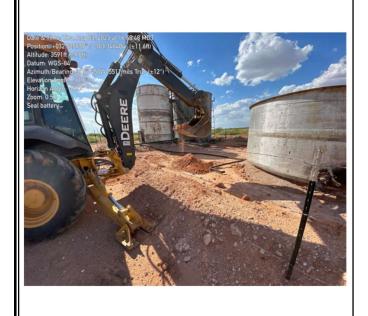
Position = 032 525901 = 103 324540 (= 17 8h)
Altitude 3939(1 = 10 0h)
Datum, WOS 52
Azimuth Beating 300 N60W 5335mich guin 48 2 1
Horizon Angle, 102 9
Zoom, 0.53
Seal battery

Photograph 1 Date: 07/20/2023

Description: Northeastern view of Site assessment activities.

Photograph 2 Date: 08/03/2023

Description: Northwestern view of delineation activities.





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

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

# **APPENDIX E**

**Tables** 





### Table 1 **SOIL SAMPLE ANALYTICAL RESULTS** Forty Acres Energy, LLC **West Eumont Unit Seale Battery** Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Delineation So	oil Samples - Incident I	Number nAPP22222540	57			
PH01	08/03/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	34.9
PH01	08/03/2023	2	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	27.4
PH02	08/03/2023	0.5	<0.00201	<0.00402	<50.2	58.4	<50.2	58.4	58.4	57.6
PH02	08/03/2023	2	<0.00200	<0.00400	<49.8	75.3	<49.8	75.3	75.3	37.9
PH03	08/03/2023	0.5	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	312
PH03	08/03/2023	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	432
PH04	08/03/2023	0.5	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	2,060
PH04	08/03/2023	2	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	546
PH05	08/03/2023	0.5	<0.00198	<0.00396	<49.8	518	<49.8	518	518	359
PH05	08/03/2023	2	<0.00199	<0.00398	<50.2	209	<50.2	209	209	1,240
PH06	08/03/2023	0.5	<0.00200	<0.00400	<50.5	285	<50.5	285	285	123
PH06	08/03/2023	1	<0.00198	<0.0396	<49.6	151	<49.6	151	151	122
PH07	08/03/2023	0.5	<0.00201	<0.00402	<49.5	80.8	<49.5	80.8	80.8	25.8
PH07	08/03/2023	1	<0.00201	<0.00402	<50.4	62.2	<50.4	62.2	62.2	26.6
PH08	08/03/2023	0.5	<0.00202	<0.00403	<49.9	103	<49.9	103	103	106
PH08	08/03/2023	1	<0.00199	<0.00398	<50.4	90.6	<50.4	90.6	90.6	52.0
PH09	08/03/2023	0.5	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	39.2
PH09	08/03/2023	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	65.8
PH10	08/03/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	65.6
PH10	08/03/2023	1	<0.00202	<0.00403	<50.0	50.6	<50.0	50.6	50.6	62.4
PH11	08/03/2023	0.5	<0.00199	<0.00398	<50.3	540	<50.3	540	540	356
PH11	08/03/2023	6	<0.00198	<0.00396	<50.1	59.8	<50.1	59.8	59.8	229

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in bold exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

# **APPENDIX F**

Laboratory Analytical Reports & Chain-of-Custody Documentation



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Midialia, Texas 757 11

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

JOB DESCRIPTION

WEU Seale Battery SDG NUMBER Lea County NM

**JOB NUMBER** 

890-5038-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Released to Imaging: 12/22/2023 8:31:48 AM

10/3/2023 (Rev. 1)

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

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# **Definitions/Glossary**

Client: Etech Environmental & Safety Solutions Job ID: 890-5038-1

Project/Site: WEU Seale Battery SDG: Lea County NM

**Qualifiers** 

**GC VOA** Qualifier **Qualifier Description** 

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

**GC Semi VOA** 

Qualifier **Qualifier Description** 

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

**HPLC/IC** 

Qualifier **Qualifier Description** 

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

**Glossary** 

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

**DER** Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

**EDL** Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL 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)

Negative / Absent NEG POS Positive / Present

Practical Quantitation Limit POI

**PRES** Presumptive QC **Quality Control** 

**RER** Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

**RPD** Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC** 

**Eurofins Carlsbad** 

3

# Case Narrative

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

Job ID: 890-5038-1

**Laboratory: Eurofins Carlsbad** 

Narrative

Job Narrative 890-5038-1

### REVISION

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

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

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

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

### Receipt

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

### **GC VOA**

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

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

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

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

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

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

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

### GC Semi VOA

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

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

# Case Narrative

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 SDG: Lea County NM Project/Site: WEU Seale Battery

Job ID: 890-5038-1 (Continued)

**Laboratory: Eurofins Carlsbad (Continued)** 

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

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

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

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

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

### HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59539 and analytical batch 880-59748 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 890-5038-1

SDG: Lea County NM

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-1

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

**Matrix: Solid** 

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				08/11/23 10:59	08/11/23 16:52	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/11/23 10:59	08/11/23 16:52	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation** Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 mg/Kg 08/14/23 14:44

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit Analyzed Dil Fac RL D Prepared <50.0 U Total TPH 50.0 08/21/23 11:18 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL **MDL** Unit D Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 08/15/23 16:37 08/19/23 04:43 mg/Kg (GRO)-C6-C10 50.0 08/15/23 16:37 08/19/23 04:43 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/15/23 16:37 08/19/23 04:43 Total TPH <50.0 U 50.0 mg/Kg 08/15/23 16:37 08/19/23 04:43

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL **MDL** Unit Prepared Analyzed Dil Fac mg/Kg Chloride 34.9 5.02 08/09/23 20:20

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

**Client Sample ID: PH01** 

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 17:13	1
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 17:13	1

**Eurofins Carlsbad** 

Lab Sample ID: 890-5038-2

Matrix: Solid

## Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Client Sample ID: PH01

Lab Sample ID: 890-5038-2

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

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

Sample Depth: 2

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

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: PH02

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

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				08/11/23 10:59	08/11/23 17:33	1
1,4-Difluorobenzene (Surr)	79		70 - 130				08/11/23 10:59	08/11/23 17:33	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation** MDL Unit Analyte Result Qualifier RL Prepared Analyzed Dil Fac Total BTEX <0.00402 U 0.00402 08/14/23 14:44 mg/Kg

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Client Sample ID: PH02

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

Sample Depth: 0.5

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

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 50.2 08/21/23 14:34 **Total TPH** 58.4 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac RL <50.2 U 50.2 08/15/23 16:42 08/18/23 20:50 Gasoline Range Organics mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 58.4 F1 50.2 mg/Kg 08/15/23 16:42 08/18/23 20:50 C10-C28) Oll Range Organics (Over C28-C36) <50.2 U 50.2 mg/Kg 08/15/23 16:42 08/18/23 20:50 **Total TPH** 58.4 50.2 mg/Kg 08/15/23 16:42 08/18/23 20:50 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1-Chlorooctane 93 70 - 13008/15/23 16:42 08/18/23 20:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RΙ **MDL** Unit D Prepared Analyzed Dil Fac 4.98 08/09/23 20:42 Chloride 57.6 mg/Kg

70 - 130

97

Client Sample ID: PH02 Lab Sample ID: 890-5038-4

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

Sample Depth: 2

o-Terphenyl

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 08/11/23 10:59 08/11/23 17:54 Toluene <0.00200 U 0.00200 mg/Kg 08/11/23 10:59 08/11/23 17:54 08/11/23 17:54 Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/11/23 10:59 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 08/11/23 10:59 08/11/23 17:54 o-Xylene <0.00200 U 0.00200 mg/Kg 08/11/23 10:59 08/11/23 17:54 Xylenes, Total <0.00400 U 0.00400 mg/Kg 08/11/23 10:59 08/11/23 17:54 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 4-Bromofluorobenzene (Surr) 87 70 - 130 08/11/23 10:59 08/11/23 17:54 1,4-Difluorobenzene (Surr) 77 70 - 130 08/11/23 10:59 08/11/23 17:54

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 08/14/23 14:44 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit D Prepared Analyzed Dil Fac **Total TPH** 75.3 49.8 mg/Kg 08/21/23 14:34

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac Gasoline Range Organics <49.8 U 49.8 08/15/23 16:42 08/19/23 00:12 mg/Kg (GRO)-C6-C10 08/15/23 16:42 08/19/23 00:12 **Diesel Range Organics (Over** 75.3 498 mg/Kg C10-C28) 08/15/23 16:42 08/19/23 00:12 Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg

**Eurofins Carlsbad** 

08/15/23 16:42 08/18/23 20:50

**Matrix: Solid** 

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH02** Lab Sample ID: 890-5038-4 **Matrix: Solid** 

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

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.3		49.8		mg/Kg		08/15/23 16:42	08/19/23 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/15/23 16:42	08/19/23 00:12	1
o-Terphenyl	81		70 - 130				08/15/23 16:42	08/19/23 00:12	1

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

Client Sample ID: PH03 Lab Sample ID: 890-5038-5 **Matrix: Solid** 

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

Sample Depth: 0.5

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 Promofluorobonzono (Surr)	95		70 120				09/11/22 10:50	09/11/22 19:15	1

Method: TAL SOP Total BTEX - Total	BTEX Calculation	on			
1,4-Difluorobenzene (Surr)	75	70 - 130	08/11/23 10:59	08/11/23 18:15	1
4-Bromotiuoropenzene (Surr)	85	70 - 130	08/11/23 10:59	08/11/23 18:15	7

RL

**MDL** Unit

mg/Kg

Prepared

Analyzed

08/14/23 14:44

Dil Fac

Result Qualifier

<0.00396 U

Method: SW846 8015 NM - Die	sel Range Orga	nics (DRO) (GC)						
Analyte	Result Qual	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7 IJ	49 7	ma/Ka			08/21/23 14:34		

0.00396

Total TPH	<49.7	U	49.7		mg/Kg			08/21/23 14:34	1
- Method: SW846 8015B NM - D	iesel Range	e Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Total TPH	<49.7	U	49.7		mg/Kg		08/15/23 16:42	08/19/23 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/15/23 16:42	08/19/23 02:06	1
o-Terphenyl	88		70 - 130				08/15/23 16:42	08/19/23 02:06	1

**Matrix: Solid** 

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH03** Lab Sample ID: 890-5038-5

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

Sample Depth: 0.5

Method: EPA 300.0 - Anions, I	on Chromato	graphy - Soluble					
Analyte	Result Q	Qualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312	25.1	mg/Kg			08/09/23 20:54	5

Client Sample ID: PH03 Lab Sample ID: 890-5038-6 Matrix: Solid

Date Collected: 08/03/23 15:25 Date Received: 08/04/23 16:05

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/11/23 10:59	08/11/23 18:35	1
1,4-Difluorobenzene (Surr)	83		70 - 130				08/11/23 10:59	08/11/23 18:35	1

motification in the controller	TOTAL DIE	A Galcalat	1011						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Diesel	Range	Organics (D	RO) (GC)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - D	Diesel Range	<b>Organics</b>	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/15/23 16:42	08/19/23 02:29	1
o-Terphenyl	89		70 - 130				08/15/23 16:42	08/19/23 02:29	1

Method: EPA 300.0 - Anions, Id	on Chromato	graphy -	Soluble						
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		50.4		mg/Kg			08/09/23 21:11	10

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Client Sample ID: PH04

Sample Depth: 0.5

Client Sample ID: PH04	Lab Sample ID: 890-5038-7
Date Collected: 08/03/23 15:30	Matrix: Solid
Pate Received: 08/04/23 16:05	
Comple Donthi O.F.	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Ethylbenzene	< 0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
m-Xylene & p-Xylene	< 0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
o-Xylene	< 0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/11/23 10:59	08/11/23 18:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/11/23 10:59	08/11/23 18:56	1
<b>Method: TAL SOP Total BTEX</b>									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 14:44	Dil Fac
Analyte	<0.00403	Qualifier U	RL 0.00403	MDL		<u>D</u>	Prepared		
Analyte Total BTEX	Result <0.00403	Qualifier U	RL 0.00403			<u>D</u>	Prepared Prepared		
Analyte Total BTEX  : Method: SW846 8015 NM - Did	Result <0.00403	Qualifier  U  Organics ( Qualifier	RL 0.00403 DRO) (GC)		mg/Kg			08/14/23 14:44	1
Analyte Total BTEX  Method: SW846 8015 NM - Dic Analyte	Result	Qualifier U  Organics ( Qualifier U	RL 0.00403 DRO) (GC) RL 50.4		mg/Kg Unit			08/14/23 14:44  Analyzed	1
Analyte Total BTEX  Method: SW846 8015 NM - Did Analyte Total TPH	Result <0.00403 esel Range ( Result <50.4 Diesel Range	Qualifier U  Organics ( Qualifier U	RL 0.00403 DRO) (GC) RL 50.4	MDL	mg/Kg Unit			08/14/23 14:44  Analyzed	Dil Fac
Analyte Total BTEX  Method: SW846 8015 NM - Did Analyte Total TPH  Method: SW846 8015B NM - Did Method:	Result <0.00403 esel Range ( Result <50.4 Diesel Range	Qualifier U Organics ( Qualifier U Organics ( Qualifier U	RL 0.00403 DRO) (GC) RL 50.4 (DRO) (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	08/14/23 14:44  Analyzed  08/21/23 14:34  Analyzed	Dil Fac
Analyte Total BTEX  Method: SW846 8015 NM - Did Analyte Total TPH  Method: SW846 8015B NM - E Analyte Gasoline Range Organics	Result <0.00403  esel Range ( Result <50.4  Diesel Range Result	Qualifier U Organics ( Qualifier U Organics U Organics U	RL 0.00403 DRO) (GC) RL 50.4 (DRO) (GC) RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	08/14/23 14:44  Analyzed 08/21/23 14:34  Analyzed 08/19/23 02:51	Dil Fac
Analyte Total BTEX  Method: SW846 8015 NM - Did Analyte Total TPH  Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <0.00403 esel Range Result <50.4 Diesel Range Result <50.4	Qualifier U Organics ( Qualifier U Organics U Organics U Organics U U	RL 0.00403 DRO) (GC) RL 50.4 (DRO) (GC) RL 50.4	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg	<u>D</u>	Prepared  Prepared  08/15/23 16:42	Analyzed 08/14/23 14:44  Analyzed 08/21/23 14:34  Analyzed 08/19/23 02:51 08/19/23 02:51	1

o-Terphenyl	107	70 - 130		(	08/15/23 16:42	08/19/23 02:51	1
Method: EPA 300.0 - Anions, le	on Chromatography - So	oluble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

Limits

70 - 130

%Recovery Qualifier

101

2060

Client Sample ID: PH04 Lab Sample ID: 890-5038-8 **Matrix: Solid** 

101

mg/Kg

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

Sample Depth: 2

Surrogate

Chloride

1-Chlorooctane

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 19:16	1
Xylenes, Total	< 0.00401	U	0.00401		mg/Kg		08/11/23 10:59	08/11/23 19:16	1

Prepared

08/15/23 16:42 08/19/23 02:51

Analyzed

08/09/23 21:17

Dil Fac

20

**Matrix: Solid** 

Lab Sample ID: 890-5038-8

Lab Sample ID: 890-5038-9

**Matrix: Solid** 

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Client Sample ID: PH04

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

Sample Depth: 2

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

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1	THE REPORT OF THE PERSON AND THE PER
- 1	Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <0.00401 U 08/14/23 14:44 Total BTEX 0.00401 mg/Kg

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

**Client Sample ID: PH05** 

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

Sample Depth: 0.5

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/11/23 10:59	08/11/23 19:37	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/11/23 10:59	08/11/23 19:37	1

mg/Kg

0.00396

<0.00396 U

08/14/23 14:44

**Eurofins Carlsbad** 

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-9

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

**Client Sample ID: PH05** 

Matrix: Solid

Job ID: 890-5038-1

SDG: Lea County NM

Sample Depth: 0.5

Method: SW846 8015 NM - Die	sel Range C	Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Total TPH	518		49.8	m	ng/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Diesel Range Organics (Over C10-C28)	518		49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Total TPH	518		49.8		mg/Kg		08/15/23 16:42	08/18/23 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/15/23 16:42	08/18/23 22:19	1
o-Terphenyl	113		70 - 130				08/15/23 16:42	08/18/23 22:19	1

Method: EPA 300.0 - Anions, I	on Chromat	tography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	359		4.95		mg/Kg			08/09/23 21:28	1

**Client Sample ID: PH05** Lab Sample ID: 890-5038-10 **Matrix: Solid** 

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

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				08/11/23 10:59	08/11/23 19:57	1
1,4-Difluorobenzene (Surr)	74		70 - 130				08/11/23 10:59	08/11/23 19:57	1

Method: TAL SOP Total BTEX	- Total BTE	X Calculati	on						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Die	esel Range C	Organics (I	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	209		50.2		mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1		
Diesel Range Organics (Over C10-C28)	209		50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1		
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1		

**Client Sample ID: PH05** Lab Sample ID: 890-5038-10 **Matrix: Solid** 

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

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	209		50.2		mg/Kg		08/15/23 16:42	08/18/23 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/15/23 16:42	08/18/23 23:04	1
o-Terphenyl	117		70 - 130				08/15/23 16:42	08/18/23 23:04	1

Method: EPA 300.0 - Anions, Id	on Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		4.97		mg/Kg			08/09/23 21:33	1

**Client Sample ID: PH06** Lab Sample ID: 890-5038-11 **Matrix: Solid** 

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

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 10:59	08/11/23 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				08/11/23 10:59	08/11/23 21:21	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				08/11/23 10:59	08/11/23 21:21	1

Analyte	Result	Qualifier	RL	MDL Un	nit D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg	g/Kg		08/14/23 14:44	1
 Method: SW846 8015 NM - Die	col Pango (	Organice (	DPO) (GC)					
MICHIOU. SYVONO OUTS MINI - DIE	sei Kaliye i	Jigailles (	DICO) (GC)					

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	285		50.5		mg/Kg			08/21/23 14:34	1
Method: SW846 8015B NM	- Diesel Range	Organics (	DRO) (GC)						

Method: SW846 8015B NM - D	Diesel Range	<ul><li>Organics</li></ul>	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Diesel Range Organics (Over C10-C28)	285		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Total TPH	285		50.5		mg/Kg		08/15/23 16:42	08/18/23 22:41	1
Surrogate	%Recovery	Qualifier	l imite				Prenared	Analyzod	Dil Fac

Surrogate	%Recovery (	Qualifier L	imits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105	70	0 - 130	08/15/23 16:42	08/18/23 22:41	1
o-Terphenyl	110	70	0 - 130	08/15/23 16:42	08/18/23 22:41	1

**Matrix: Solid** 

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH06** Lab Sample ID: 890-5038-11 **Matrix: Solid** 

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

Sample Depth: 0.5

١	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	123	F1	5.04		mg/Kg			08/09/23 21:39	1

Client Sample ID: PH06 Lab Sample ID: 890-5038-12

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

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/11/23 10:59	08/11/23 21:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130				08/11/23 10:59	08/11/23 21:41	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 14:44	1
Method: SW846 8015 NM -	Diesel Range	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	151		49.6		mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Diesel Range Organics (Over C10-C28)	151		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Total TPH	151		49.6		mg/Kg		08/15/23 16:42	08/19/23 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/15/23 16:42	08/19/23 00:34	1
o-Terphenyl	104		70 - 130				08/15/23 16:42	08/19/23 00:34	1

Method: EPA 300.0 - Anions, I	on Chromato	ography -	Soluble						
Analyte	Result (	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		4.98		mg/Kg			08/09/23 21:56	1

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH07** Lab Sample ID: 890-5038-13 **Matrix: Solid** 

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

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/11/23 10:59	08/11/23 22:02	1
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130				08/11/23 10:59	08/11/23 22:02	1
- Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Total BTEX	<0.00402 U	0.00402	mg/Kg		08/14/23 14	4:44 1
Method: SW846 8015 NM - Diesel	l Range Organics (DF	RO) (GC)				
Analyta	Popult Qualifier	DI	MDI IInit	D 0	Propored Apply	d Dil Eco

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

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

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

Method: EPA 300.0 - Anions, Id	on Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		4.99		mg/Kg			08/09/23 22:02	1

**Client Sample ID: PH07** Lab Sample ID: 890-5038-14 Date Collected: 08/03/23 16:20 **Matrix: Solid** 

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

Method: SW846 8021B - '	Volatile Organic	Compound	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/11/23 22:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/11/23 22:22	1

**Matrix: Solid** 

Lab Sample ID: 890-5038-14

Lab Sample ID: 890-5038-15

08/11/23 10:59 08/11/23 22:43

**Matrix: Solid** 

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Client Sample ID: PH07

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

Sample Depth: 1

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

Method: TAL SOP Total BTEX - Total BTEX Calculation	
motion in 2001 Total BTEX Total BTEX Galociation	

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: PH08

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

Sample Depth: 0.5

1,4-Difluorobenzene (Surr)

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

72

Michiga. Offoro 002 ID - Vo	nathe Organic	Compoun	us (00)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Toluene	< 0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Ethylbenzene	< 0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
m-Xylene & p-Xylene	< 0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
o-Xylene	< 0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/11/23 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/11/23 10:59	08/11/23 22:43	1

Method: TAL SOP Total BTEX	- Total BTEX Ca	lculation						
Analyte	Result Qual	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00403 U	0.00403	ma/Ka			08/14/23 14:44		

70 - 130

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH08** 

Lab Sample ID: 890-5038-15 Date Collected: 08/03/23 16:30 Matrix: Solid

Date Received: 08/04/23 16:05

Sample Depth: 0.5

Method: SW846 8015 NM - Die	sel Range (	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	103		49.9		mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Diesel Range Organics (Over C10-C28)	103		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Total TPH	103		49.9		mg/Kg		08/15/23 16:42	08/18/23 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/15/23 16:42	08/18/23 23:26	1
o-Terphenvl	98		70 - 130				08/15/23 16:42	08/18/23 23:26	1

Method: EPA 300.0 - Anions, I	on Chromatograp	phy - Soluble					
Analyte	Result Qualif	fier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106	5.00	mg/l	(g		08/09/23 22:24	1

Lab Sample ID: 890-5038-16 **Client Sample ID: PH08 Matrix: Solid** 

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

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	<del></del>	mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/23 10:59	08/11/23 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/11/23 10:59	08/11/23 23:04	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/11/23 10:59	08/11/23 23:04	1

Method: TAL SOP Total BTEX -	Total BTE	X Calculati	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 14:44	1

Method: SW846 8015 NM - Die	sel Range C	Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.6		50.4		mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - Die Analyte		Qualifier	ŘL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Diesel Range Organics (Over C10-C28)	90.6		50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH08** Lab Sample ID: 890-5038-16 **Matrix: Solid** 

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

Sample Depth: 1

Method: SW846 8015B NM	- Diesel Range	<b>Organics</b>	(DRO) (GC)	(Contin	ued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.6		50.4		mg/Kg		08/15/23 16:42	08/18/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				08/15/23 16:42	08/18/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	52.0		5.00		mg/Kg			08/09/23 22:30	1

**Client Sample ID: PH09** Lab Sample ID: 890-5038-17 Date Collected: 08/03/23 16:50 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 0.5

4-Bromofluorobenzene (Surr)

Total BTEX

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

1,4-Difluorobenzene (Surr)	76	70 - 130		C	08/11/23 10:59	08/11/23 23:24	1
Method: TAL SOP Total BTEX - 1							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

70 - 130

91

<0.00396 U

Method: SW846 8015 NM - Die	sel Range Organics (D	RO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6 U	49.6	ma/Ka			08/21/23 14:34	

0.00396

mg/Kg

Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 14:34	1
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:42	08/19/23 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/15/23 16:42	08/19/23 03:35	1
o-Terphenyl	98		70 - 130				08/15/23 16:42	08/19/23 03:35	1

**Eurofins Carlsbad** 

08/11/23 10:59 08/11/23 23:24

08/14/23 14:44

Matrix: Solid

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH09** Lab Sample ID: 890-5038-17 **Matrix: Solid** 

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

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	39.2		4.97		mg/Kg			08/09/23 22:36	1

Client Sample ID: PH09 Lab Sample ID: 890-5038-18

Date Collected: 08/03/23 17:00 Date Received: 08/04/23 16:05

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 10:59	08/11/23 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/11/23 10:59	08/11/23 23:45	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/11/23 10:59	08/11/23 23:45	1

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

Method: SW846 8015 NM - Die	Method: SW846 8015 NM - Diesel Range Organics (DRO) (G								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/23 14:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				08/15/23 16:42	08/19/23 03:59	1
o-Terphenyl	59	S1-	70 - 130				08/15/23 16:42	08/19/23 03:59	1

Method: EPA 300.0 - Anions, Id	hy - Soluble							
Analyte	Result Qualifie	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.8	4.97		mg/Kg			08/09/23 22:41	1

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH10** Lab Sample ID: 890-5038-19 **Matrix: Solid** 

Date Collected: 08/03/23 17:10 Date Received: 08/04/23 16:05

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 10:59	08/12/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				08/11/23 10:59	08/12/23 00:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/11/23 10:59	08/12/23 00:05	1

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

Method: SW846 8015 NM - D	iesei Kange C	ט) rganics	RO) (GC)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/21/23 14:34	1

Method: SW846 8015B NM - D	Diesel Range	<b>Organics</b>	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/19/23 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

	,,			·,	
1-Chlorooctane	107	70 - 130	08/15/23 16:42	08/19/23 04:21	1
o-Terphenyl	110	70 - 130	08/15/23 16:42	08/19/23 04:21	1

Wethod: EPA 300.0 - Anions, to	Method: EPA 300.0 - Anions, for Chromatography - Soluble								
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	65.6	5.05	mg/Kg			08/09/23 22:47	1		

Lab Sample ID: 890-5038-20 **Client Sample ID: PH10** Date Collected: 08/03/23 17:20 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 1

Method: SW846 8021B - V	Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1	
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 10:59	08/12/23 00:26	1	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 10:59	08/12/23 00:26	1	

Job ID: 890-5038-1

**Matrix: Solid** 

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

SDG: Lea County NM **Client Sample ID: PH10** Lab Sample ID: 890-5038-20

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

Sample Depth: 1

Surrogate	%Recovery Qualifier	Limits	Prepared Ar	nalyzed Dil Fac
4-Bromofluorobenzene (Surr)	87	70 - 130	08/11/23 10:59 08/12	2/23 00:26 1
1,4-Difluorobenzene (Surr)	86	70 - 130	08/11/23 10:59 08/12	2/23 00:26 1

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Lab Sample ID: 890-5038-21 **Client Sample ID: PH11** Date Collected: 08/03/23 17:25 **Matrix: Solid** 

Date Received: 08/04/23 16:05

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 07:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/12/23 14:59	08/14/23 07:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/12/23 14:59	08/14/23 07:22	1

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 15:21	1

## Client Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Client Sample ID: PH11

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

Sample Depth: 0.5

Lab Sample ID: 890-5038-21

08/15/23 16:42 08/18/23 21:57

Matrix: Solid

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 50.3 08/21/23 14:34 **Total TPH** 540 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac RL <50.3 U 50.3 08/15/23 16:42 08/18/23 21:57 Gasoline Range Organics mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 540 50.3 mg/Kg 08/15/23 16:42 08/18/23 21:57 C10-C28) Oll Range Organics (Over C28-C36) <50.3 U 50.3 mg/Kg 08/15/23 16:42 08/18/23 21:57 **Total TPH** 50.3 mg/Kg 08/15/23 16:42 08/18/23 21:57 540 Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 1-Chlorooctane 106 70 - 130 08/15/23 16:42 08/18/23 21:57

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL**MDL** Unit Prepared Analyzed Dil Fac 4.97 08/09/23 18:55 Chloride 356 mg/Kg

70 - 130

112

Client Sample ID: PH11 Lab Sample ID: 890-5038-22 **Matrix: Solid** 

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

Sample Depth: 6

o-Terphenyl

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Benzene <0.00198 U 0.00198 mg/Kg 08/12/23 14:59 08/14/23 07:48 Toluene <0.00198 U 0.00198 mg/Kg 08/12/23 14:59 08/14/23 07:48 Ethylbenzene <0.00198 U 0.00198 mg/Kg 08/12/23 14:59 08/14/23 07:48 m-Xylene & p-Xylene <0.00396 U 0.00396 mg/Kg 08/12/23 14:59 08/14/23 07:48 o-Xylene <0.00198 U 0.00198 mg/Kg 08/12/23 14:59 08/14/23 07:48 Xylenes, Total <0.00396 U 0.00396 mg/Kg 08/12/23 14:59 08/14/23 07:48 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 08/12/23 14:59 08/14/23 07:48 4-Bromofluorobenzene (Surr) 131 S1+ 70 - 130 1,4-Difluorobenzene (Surr) 87 70 - 130 08/12/23 14:59 08/14/23 07:48

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 08/14/23 15:21 mg/Kg

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

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

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

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

Matrix: Solid

Lab Sample ID: 890-5038-22

## **Client Sample Results**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**Client Sample ID: PH11** 

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

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.8		50.1		mg/Kg		08/15/23 16:42	08/19/23 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/15/23 16:42	08/19/23 05:04	1
o-Terphenyl	123		70 - 130				08/15/23 16:42	08/19/23 05:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble												
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	229		5.04		mg/Kg			08/09/23 19:02	1			

## **Surrogate Summary**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

BFB1 DFB21  (70-130) (70-130)  B90-5038-1 PH01 76 72  B90-5038-1 MS PH01 114 112  B90-5038-1 MSD PH01 105 119  B90-5038-2 PH01 87 62 S1-  B90-5038-3 PH02 80 79  B90-5038-4 PH02 87 77  B90-5038-5 PH03 85 75  B90-5038-6 PH03 85 83  B90-5038-7 PH04 78 95  B90-5038-8 PH04 87 63 S1-  B90-5038-9 PH05 85 77  B90-5038-10 PH05 82 74  B90-5038-11 PH06 83 64 S1-  B90-5038-12 PH06 112 84  B90-5038-13 PH07 88 59 S1-  B90-5038-14 PH07 77 80  B90-5038-15 PH08 78 72  B90-5038-16 PH08 89 85  B90-5038-17 PH08 89 85  B90-5038-17 PH08 89 85  B90-5038-17 PH09 91 76	
890-5038-1       PH01       76       72         890-5038-1 MS       PH01       114       112         890-5038-1 MSD       PH01       105       119         890-5038-2       PH01       87       62 S1-         890-5038-3       PH02       80       79         890-5038-4       PH02       87       77         890-5038-5       PH03       85       75         890-5038-6       PH03       85       83         890-5038-7       PH04       78       95         890-5038-8       PH04       87       63 S1-         890-5038-9       PH05       85       77         890-5038-10       PH05       82       74         890-5038-12       PH06       83       64 S1-         890-5038-13       PH07       88       59 S1-         890-5038-14       PH07       77       80         890-5038-15       PH08       78       72         890-5038-16       PH08       89       85	
890-5038-1 MS       PH01       114       112         890-5038-1 MSD       PH01       105       119         890-5038-2       PH01       87       62 S1-         890-5038-3       PH02       80       79         890-5038-4       PH02       87       77         890-5038-5       PH03       85       75         890-5038-6       PH03       85       83         890-5038-7       PH04       78       95         890-5038-8       PH04       87       63 S1-         890-5038-9       PH05       85       77         890-5038-10       PH05       82       74         890-5038-11       PH06       83       64 S1-         890-5038-12       PH06       112       84         890-5038-13       PH07       88       59 S1-         890-5038-14       PH07       77       80         890-5038-15       PH08       78       72         890-5038-16       PH08       89       85	
890-5038-1 MSD       PH01       105       119         890-5038-2       PH01       87       62 S1-         890-5038-3       PH02       80       79         890-5038-4       PH02       87       77         890-5038-5       PH03       85       75         890-5038-6       PH03       85       83         890-5038-7       PH04       78       95         890-5038-8       PH04       87       63 S1-         890-5038-9       PH05       85       77         890-5038-10       PH05       82       74         890-5038-11       PH06       83       64 S1-         890-5038-12       PH06       112       84         890-5038-13       PH07       88       59 S1-         890-5038-15       PH08       78       72         890-5038-16       PH08       89       85	
90-5038-2 PH01 87 62 S1- 90-5038-3 PH02 80 79 90-5038-4 PH02 87 77 90-5038-5 PH03 85 75 90-5038-6 PH03 85 83 90-5038-7 PH04 78 95 90-5038-8 PH04 87 63 S1- 90-5038-9 PH05 85 77 90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-3 PH02 80 79 90-5038-4 PH02 87 77 90-5038-5 PH03 85 75 90-5038-6 PH03 85 83 90-5038-7 PH04 78 95 90-5038-8 PH04 87 63 S1- 90-5038-9 PH05 85 77 90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 89 85	
90-5038-4 PH02 87 77 90-5038-5 PH03 85 75 90-5038-6 PH03 85 83 90-5038-7 PH04 78 95 90-5038-8 PH04 87 63 S1- 90-5038-9 PH05 85 77 90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-5 PH03 85 75 90-5038-6 PH03 85 83 90-5038-7 PH04 78 95 90-5038-8 PH04 87 63 S1- 90-5038-9 PH05 85 77 90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-6     PH03     85     83       90-5038-7     PH04     78     95       90-5038-8     PH04     87     63 S1-       90-5038-9     PH05     85     77       90-5038-10     PH05     82     74       90-5038-11     PH06     83     64 S1-       90-5038-12     PH06     112     84       90-5038-13     PH07     88     59 S1-       90-5038-14     PH07     77     80       90-5038-15     PH08     78     72       90-5038-16     PH08     89     85	
90-5038-7 PH04 78 95 90-5038-8 PH04 87 63 S1- 90-5038-9 PH05 85 77 90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-8 PH04 87 63 S1- 90-5038-9 PH05 85 77 90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-9 PH05 85 77 90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-10 PH05 82 74 90-5038-11 PH06 83 64 S1- 90-5038-12 PH06 112 84 90-5038-13 PH07 88 59 S1- 90-5038-14 PH07 77 80 90-5038-15 PH08 78 72 90-5038-16 PH08 89 85	
90-5038-12     PH06     112     84       90-5038-13     PH07     88     59 S1-       90-5038-14     PH07     77     80       90-5038-15     PH08     78     72       90-5038-16     PH08     89     85	
90-5038-12     PH06     112     84       90-5038-13     PH07     88     59 S1-       90-5038-14     PH07     77     80       90-5038-15     PH08     78     72       90-5038-16     PH08     89     85	
0-5038-13     PH07     88     59 S1-       0-5038-14     PH07     77     80       0-5038-15     PH08     78     72       0-5038-16     PH08     89     85	
00-5038-14 PH07 77 80 00-5038-15 PH08 78 72 00-5038-16 PH08 89 85	
0-5038-15 PH08 78 72 0-5038-16 PH08 89 85	
0-5038-16 PH08 89 85	
0-5038-18 PH09 89 80	
0-5038-19 PH10 81 93	
0-5038-20 PH10 87 86	
00-5038-21 PH11 101 91	
00-5038-22 PH11 131 S1+ 87	
CS 880-59927/1-A Lab Control Sample 107 111	
CS 880-60013/1-A Lab Control Sample 92 69 S1-	
CSD 880-59927/2-A Lab Control Sample Dup 110 119	
CSD 880-60013/2-A Lab Control Sample Dup 96 90	
B 880-59927/5-A Method Blank 73 78	
B 880-59996/5-A Method Blank 53 S1- 70	
IB 880-60013/5-A Method Blank 54 S1- 81	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

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

## **Surrogate Summary**

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

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

Matrix: Solid Prep Type: Total/NA

				nt Surrogate Recovery
		1CO1	OTPH1	
∟ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-5038-7	PH04	101	107	
390-5038-8	PH04	88	94	
390-5038-9	PH05	106	113	
390-5038-10	PH05	111	117	
390-5038-11	PH06	105	110	
390-5038-12	PH06	100	104	
390-5038-13	PH07	67 S1-	62 S1-	
390-5038-14	PH07	63 S1-	63 S1-	
390-5038-15	PH08	97	98	
390-5038-16	PH08	75	78	
390-5038-17	PH09	94	98	
390-5038-18	PH09	61 S1-	59 S1-	
390-5038-19	PH10	107	110	
390-5038-20	PH10	120	121	
390-5038-21	PH11	106	112	
390-5038-22	PH11	117	123	
_CS 880-60321/2-A	Lab Control Sample	121	103	
_CS 880-60323/2-A	Lab Control Sample	105	116	
_CSD 880-60321/3-A	Lab Control Sample Dup	125	104	
_CSD 880-60323/3-A	Lab Control Sample Dup	108	121	
MB 880-60321/1-A	Method Blank	157 S1+	130	
	Method Blank	128	136 S1+	

OTPH = o-Terphenyl

## QC Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59927/5-A

**Matrix: Solid** 

**Analysis Batch: 59940** 

Client Sample ID: Method Blank	Client	Sample	ID:	Method	Blank
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Prep Batch: 59927

Prep Type: Total/NA

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

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

Lab Sample ID: LCS 880-59927/1-A

**Matrix: Solid** 

**Analysis Batch: 59940** 

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Prep Batch: 59927

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

LCS LCS %Recovery Qualifier Limits

MD MD

70 - 130 4-Bromofluorobenzene (Surr) 107 1,4-Difluorobenzene (Surr) 111 70 - 130

Lab Sample ID: LCSD 880-59927/2-A

**Matrix: Solid** 

Surrogate

**Analysis Batch: 59940** 

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

Prep Batch: 59927

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

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

Lab Sample ID: 890-5038-1 MS

**Matrix: Solid** 

**Analysis Batch: 59940** 

**Client Sample ID: PH01 Prep Type: Total/NA** 

Prep Batch: 59927

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

**Client Sample ID: PH01** 

**Client Sample ID: PH01** 

70 - 130

**Prep Type: Total/NA** 

**Prep Type: Total/NA** 

### QC Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

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

Lab Sample ID: 890-5038-1 MS

**Matrix: Solid** 

Analysis Batch: 59940

Analysis Batch: 59940									Prep E	Batch: 59927
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0998	0.1056		mg/Kg		106	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2283		mg/Kg		114	70 - 130	
o-Xylene	<0.00199	U	0.0998	0.1110		mg/Kg		111	70 - 130	

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

Lab Sample ID: 890-5038-1 MSD

**Matrix: Solid** 

Prep Batch: 59927 **Analysis Batch: 59940** Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene <0.00199 U 0.100 0.1035 102 70 - 130 35 mg/Kg 1 Toluene <0.00199 U 0.100 0.1068 107 70 - 130 35 mg/Kg <0.00199 U Ethylbenzene 0.100 0.1019 mg/Kg 102 70 - 130 4 35 m-Xylene & p-Xylene <0.00398 U 0.200 0.2198 mg/Kg 110 70 - 130 35 <0.00199 U 0.100 107

0.1071

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

Lab Sample ID: MB 880-59996/5-A

**Matrix: Solid** 

o-Xylene

**Analysis Batch: 60005** 

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

mg/Kg

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 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

	IVID	IVID				
Surrogate	%Recovery	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

MR MR

MAD MAD

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

	IVID	IVID							
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 22:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/13/23 22:02	1

## QC Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

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

Lab Sample ID: MB 880-60013/5-A

**Analysis Batch: 60005** 

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

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

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

Lab Sample ID: LCS 880-60013/1-A

**Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 60005** Prep Batch: 60013

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

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 92 70 - 130

1,4-Difluorobenzene (Surr) 70 - 130 69 S1-

Lab Sample ID: LCSD 880-60013/2-A **Matrix: Solid** 

**Prep Type: Total/NA Analysis Batch: 60005** Prep Batch: 60013 Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Benzene 0.100 0.1184 mg/Kg 118 70 - 130 4 35 Toluene 0.100 0 1239 mg/Kg 124 70 - 130 22 35 Ethylbenzene 0.100 0.1276 mg/Kg 128 70 - 130 8 35 m-Xylene & p-Xylene 0.200 0.2443 mg/Kg 122 70 - 130 6 35

0.1218

mg/Kg

0.100

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

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

o-Xylene

Lab Sample ID: MB 880-60321/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 60520** Prep Batch: 60321 MB MB

Result Qualifier MDL Unit Analyte RL Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 08/15/23 16:37 08/18/23 19:44 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 08/15/23 16:37 08/18/23 19:44 Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/15/23 16:37 08/18/23 19:44

**Eurofins Carlsbad** 

35

**Client Sample ID: Lab Control Sample Dup** 

122

70 - 130

## QC Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

Prep Type: Total/NA

Prep Batch: 60321

**Client Sample ID: Method Blank** 

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

Lab Sample ID: MB 880-60321/1-A **Matrix: Solid** 

**Analysis Batch: 60520** 

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

	MB	MB				
Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery	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

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

70 - 130

LCSD LCSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 125

104

Lab Sample ID: MB 880-60323/1-A

**Matrix: Solid** 

o-Terphenyl

**Analysis Batch: 60522** 

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

Prep Batch: 60323

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:42	08/18/23 19:44	1

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

Project/Site: WEU Seale Battery

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

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

Lab Sample ID: LCS 880-60323/2-A

**Matrix: Solid** 

**Analysis Batch: 60522** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 60323

Prep Type: Total/NA Prep Batch: 60323

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

C10-C28)

LCS LCS

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

**Client Sample ID: Lab Control Sample Dup** 

Lab Sample ID: LCSD 880-60323/3-A **Matrix: Solid** 

**Analysis Batch: 60522** 

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

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

Lab Sample ID: 890-5038-3 MS

**Matrix: Solid** 

**Analysis Batch: 60522** 

Client Sample ID: PH02
Prep Type: Total/NA
Drop Potoby 60222

Prep Batch: 60323

**Client Sample ID: PH02** 

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

MS MS

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

Lab Sample ID: 890-5038-3 MSD

Matrix: Solid Analysis Batch: 60522									Prep Ty Prep E	pe: Tot Batch: 6	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1003		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	58.4	F1	1010	726.6	F1	mg/Kg		66	70 - 130	6	20

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

Project/Site: WEU Seale Battery

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

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

Lab Sample ID: 890-5038-3 MSD

**Matrix: Solid** 

**Analysis Batch: 60522** 

**Client Sample ID: PH02** Prep Type: Total/NA

Prep Batch: 60323

MSD MSD

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59539/1-A Client Sample ID: Method Blank **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 59748** 

MB MB

Result Qualifier Analyte RL **MDL** Unit D Prepared Analyzed Dil Fac Chloride <5.00 5.00 08/09/23 20:02 U mg/Kg

Lab Sample ID: LCS 880-59539/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 59748** 

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

Lab Sample ID: LCSD 880-59539/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 59748** 

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

Lab Sample ID: 890-5038-1 MS **Client Sample ID: PH01 Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 59748** 

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

Lab Sample ID: 890-5038-1 MSD

**Matrix: Solid** 

**Analysis Batch: 59748** 

MSD MSD **RPD** Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 34.9 251 305.9 108 90 - 110 mg/Kg

Lab Sample ID: 890-5038-11 MS

**Matrix: Solid** 

**Analysis Batch: 59748** 

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

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Client Sample ID: PH01

Client Sample ID: PH06

**Prep Type: Soluble** 

**Prep Type: Soluble** 

## **QC Sample Results**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Job ID: 890-5038-1

SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5038-11 MSD **Client Sample ID: PH06 Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 59748** 

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	i
Chloride	123	F1	252	300.4	F1	mg/Kg		70	90 - 110	1	20	

Lab Sample ID: MB 880-59538/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 59750** 

		IVID						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/09/23 15:55	1

**Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 880-59538/2-A **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 59750** 

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

Lab Sample ID: LCSD 880-59538/3-A **Client Sample ID: Lab Control Sample Dup Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 59750** 

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

## **GC VOA**

Prep Batch: 59927

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

### **Analysis Batch: 59940**

Released to Imaging: 12/22/2023 8:31:48 AM

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

## **GC VOA (Continued)**

### **Analysis Batch: 59940 (Continued)**

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

#### Prep Batch: 59996

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

### **Analysis Batch: 60005**

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

### Prep Batch: 60013

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

#### **Analysis Batch: 60118**

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

**GC Semi VOA** 

Prep Batch: 60321

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

Prep Batch: 60323

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

**Analysis Batch: 60520** 

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

**Analysis Batch: 60522** 

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

## GC Semi VOA (Continued)

### **Analysis Batch: 60522 (Continued)**

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

### **Analysis Batch: 60713**

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

### HPLC/IC

#### Leach Batch: 59538

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

## **HPLC/IC (Continued)**

### Leach Batch: 59538 (Continued)

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

#### Leach Batch: 59539

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

### **Analysis Batch: 59748**

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

## **HPLC/IC (Continued)**

### **Analysis Batch: 59748 (Continued)**

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

### **Analysis Batch: 59750**

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

Job ID: 890-5038-1

SDG: Lea County NM

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-1

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

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

**Client Sample ID: PH01** Lab Sample ID: 890-5038-2 Date Collected: 08/03/23 15:05 **Matrix: Solid** 

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:37	CH	EET MID

**Client Sample ID: PH02** Lab Sample ID: 890-5038-3 Date Collected: 08/03/23 15:10 **Matrix: Solid** 

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH02** Lab Sample ID: 890-5038-4 Date Collected: 08/03/23 15:15 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			5.00 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 17:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-4

**Client Sample ID: PH02** Date Collected: 08/03/23 15:15

Matrix: Solid

Date Received: 08/04/23 16:05

Job ID: 890-5038-1

SDG: Lea County NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 00:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 20:48	CH	EET MID

Lab Sample ID: 890-5038-5

Date Collected: 08/03/23 15:20

**Matrix: Solid** 

Date Received: 08/04/23 16:05

**Client Sample ID: PH03** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035		·	5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.06 g 1 uL	10 mL 1 uL	60323 60522	08/15/23 16:42 08/19/23 02:06		EET MID EET MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		5	4.99 g	50 mL	59539 59748	08/07/23 15:11 08/09/23 20:54		EET MID EET MID

Lab Sample ID: 890-5038-6 **Client Sample ID: PH03** 

Date Collected: 08/03/23 15:25 Date Received: 08/04/23 16:05

**Matrix: Solid** 

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

**Client Sample ID: PH04** Lab Sample ID: 890-5038-7 Date Collected: 08/03/23 15:30 **Matrix: Solid** 

Date Received: 08/04/23 16:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 18:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.93 g 1 uL	10 mL 1 uL	60323 60522	08/15/23 16:42 08/19/23 02:51	TKC SM	EET MID EET MID

### **Lab Chronicle**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-7

**Client Sample ID: PH04** Date Collected: 08/03/23 15:30

Date Received: 08/04/23 16:05

Matrix: Solid

Job ID: 890-5038-1

SDG: Lea County NM

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

Lab Sample ID: 890-5038-8

**Client Sample ID: PH04** Date Collected: 08/03/23 15:35 Matrix: Solid

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:13	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		5			59748	08/09/23 21:22	CH	EET MID

Lab Sample ID: 890-5038-9 **Client Sample ID: PH05** 

Date Collected: 08/03/23 15:40

**Matrix: Solid** 

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH05** 

Lab Sample ID: 890-5038-10

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

Released to Imaging: 12/22/2023 8:31:48 AM

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 19:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 21:33	CH	EET MID

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

Lab Sample ID: 890-5038-11

**Matrix: Solid** 

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

**Client Sample ID: PH06** 

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

**Client Sample ID: PH06** Lab Sample ID: 890-5038-12

Date Collected: 08/03/23 16:00 **Matrix: Solid** 

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH07** Lab Sample ID: 890-5038-13 Date Collected: 08/03/23 16:10 **Matrix: Solid** 

Date Received: 08/04/23 16:05

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

**Client Sample ID: PH07** Lab Sample ID: 890-5038-14 Date Collected: 08/03/23 16:20 **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			4.97 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID

**Eurofins Carlsbad** 

Page 44 of 55

Job ID: 890-5038-1

SDG: Lea County NM

Project/Site: WEU Seale Battery

**Client Sample ID: PH07** Date Collected: 08/03/23 16:20 Lab Sample ID: 890-5038-14

Matrix: Solid

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:19	CH	EET MID

Lab Sample ID: 890-5038-15

**Matrix: Solid** 

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

**Client Sample ID: PH08** 

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 22:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:24	CH	EET MID

Lab Sample ID: 890-5038-16 **Client Sample ID: PH08** 

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

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:30	CH	EET MID

**Client Sample ID: PH09** Lab Sample ID: 890-5038-17 Date Collected: 08/03/23 16:50 **Matrix: Solid** 

Date Received: 08/04/23 16:05

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

**Eurofins Carlsbad** 

10/3/2023 (Rev. 1)

Job ID: 890-5038-1

SDG: Lea County NM

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-17 **Client Sample ID: PH09** Matrix: Solid

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

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

Lab Sample ID: 890-5038-18 **Client Sample ID: PH09** Date Collected: 08/03/23 17:00 Matrix: Solid

Date Received: 08/04/23 16:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/11/23 23:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 03:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:41	CH	EET MID

Lab Sample ID: 890-5038-19 **Client Sample ID: PH10** Date Collected: 08/03/23 17:10 **Matrix: Solid** 

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:47	CH	EET MID

**Client Sample ID: PH10** Lab Sample ID: 890-5038-20 Date Collected: 08/03/23 17:20 Matrix: Solid

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59927	08/11/23 10:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59940	08/12/23 00:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59539	08/07/23 15:11	KS	EET MID
Soluble	Analysis	300.0		1			59748	08/09/23 22:53	CH	EET MI

**Eurofins Carlsbad** 

### **Lab Chronicle**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Lab Sample ID: 890-5038-21

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

**Matrix: Solid** 

Job ID: 890-5038-1

SDG: Lea County NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/18/23 21:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:55	CH	EET MID

Lab Sample ID: 890-5038-22

**Client Sample ID: PH11** Date Collected: 08/03/23 17:35

**Matrix: Solid** Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 07:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60118	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60713	08/21/23 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60323	08/15/23 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60522	08/19/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 19:02	CH	EET MID

#### **Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## **Accreditation/Certification Summary**

Client: Etech Environmental & Safety Solutions

Job ID: 890-5038-1 Project/Site: WEU Seale Battery SDG: Lea County NM

### **Laboratory: Eurofins Midland**

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

Authority	Pı	ogram	Identification Number	Expiration Date
exas		ELAP	T104704400-23-26	06-30-24
,	s are included in this repo	ort, but the laboratory is i	not certified by the governing authority.	This list may include analytes for which
the agency does not		NA . 4.5.	Accelede	
the agency does not of Analysis Method	offer certification. Prep Method	Matrix	Analyte	
0 ,		Matrix Solid	Analyte Total TPH	
Analysis Method				

## **Method Summary**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

Job ID: 890-5038-1

SDG: Lea

a 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

**Eurofins Carlsbad** 

## **Sample Summary**

Client: Etech Environmental & Safety Solutions

Project/Site: WEU Seale Battery

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

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

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Xenco

# **Chain of Custody**

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Work Order	No:	
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																				www	.xenco	.com	Page	1013			
Project Manager:	Erick	Herrera				Bill to: (if	differen	t)												W	ork O	rder	Comments				
Company Name:	Etech	Environm	nental &	Safety Solu	itions, Inc.	Compan	y Name	e:									Prog	ram: l	JST/P	TE	PRP[]	Brow	vnfields RF	C Superfund			
Address:	1300	W County	Rd 100	)		Address												of Pr	•								
City, State ZIP:	Midla	nd, Texas	79711			City, State ZIP:							Reporting: Level II														
Phone:	(281)	777-4152			Email:	erick@	eteche	vn.con	n, jose	eph@e	eteche	env.co	m				Delive	erables	EDE			ADaP	oth □	er:			
Project Name:		WEU S	eale Bat	terv	Turr	Around								ANAI	YSIS	REQ	UES1						Preser	vative Codes			
Project Number:			8343		☑ Routine	☐ Rush		Pres.															None: NO	DI Water: H <sub>2</sub> C			
Project Location:		ea Count	v. New N	/lexico	Due Date:	5 T.	AT																Cool: Cool	MeOH: Me			
Sampler's Name:			e Konan		TAT starts th	the day received by																	HCL: HC	HNO <sub>3</sub> : HN			
PO#:					the lab, if re	ceived by 4	:30pm	2	_	و	300.0				ļ	ŀ	ì	1	1		'		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na			
SAMPLE RECEI	PT	Temp E	Blank:	Yes No	Wet Ice:	Ye No		Parameters	0216	8015M/D	8			- 11									H₃PO₄: HP				
amples Received Intact: (Yes) No Thermomet		er ID:	Form		La	METHOD 8021B		МЕТНОВ												NaHSO₄: NA	BIS						
Cooler Custody Seals: Yes No NA Correction Factor		actor:		12	ية [	윤	METHOD	A					111111	H	1444					Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Sea					8			Æ	- EPA			II Bo	90-503	11111111111111111111111111111111111111	ain of	Custo	dv	1111061			Zn Acetate+N						
Total Containers:				Corrected T	emperature:	5.	Le		EPA	PA	9			-	00 000								NaOH+Ascorbic Acid: SAPC				
Sample Ider	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth		# of Cont	BTEX-	TPH - E	CHLORIDE												Sampl	e Comments			
PHO	)1		s	8/3/2023	15:00	0.5'	G	1	Х	Х	X												Inc	cident ID:			
PHO	)1		s	8/3/2023	15:05	2'	G	1	Х	Х	Х												nAPP	2222254057			
PHO	12		s	8/3/2023	15:10	0.5'	G	1	Х	Х	Х																
PHO	2		s	8/3/2023	15:15	2'	G	1	Х	Х	X																
PH0	3		s	8/3/2023	15:20	0.5'	G	1	Х	X	Х																
PHO	13		s	8/3/2023	15:25	2'	G	1	Х	X	Х																
PHO	14		s	8/3/2023	15:30	0.5'	G	1	Х	Х	X																
PH0	14		s	8/3/2023	15:35	2'	G	1	Х	X	Х																
PH0	5		S	8/3/2023	15:40	0.5'	G	1	X	Х	X																
PH0	5		s	8/3/2023	15:45	2'	G	1	Х	X	Х					<u> </u>							<u> </u>				
Total 200.7 / 6	010	200.8 / 6	020:	8	RCRA 13	PPM Te	xas 11	AI:	Sb As	Ba	Be B	Cd C	Ca Cr	Co (	Cu Fe	Pb	Mg N	In Mo	Ni l	( Se	Ag Si	O <sub>2</sub> N	Na Sr TI Sn	U V Zn			
Circle Method(s) ar	nd Met	al(s) to be	analyze	ed	TCLP / S	PLP 601	0: 8R	CRA	Sb A	As Ba	Ве	Cd Cr	Co	Cu P	Mn c	Mo I	Ni Se	Ag T	TI U		Hg: 1	631	/ 245.1 / 7470	/ 7471			

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
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### Environment Testing Xenco

# **Chain of Custody**

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Work	Order	No:	

																_				www	.xenc	o.com	Page_	_2 or3
Project Manager:	Erick	Herrera				Bill to: (if	different	t)															Comments	
Company Name:	Etech	Environ	mental &	Safety Solu	itions, Inc.	Compar	y Name	9:									Prog	ram: l	JST/PS	ST 🗌	PRP_	Brow	vnfields R	RC Superfund
Address:	1300	W Count	y Rd 100	)		Address	:										State of Project:							
City, State ZIP:	Midla	nd, Texas	s 79711			City, Sta	OK), Oldio Eli :									Repo	Reporting: Level II Devel III PST/UST TRRP Level IV							
Phone:	(281)	777-4152			Email:	erick@etechevn.com, joseph@etechenv.com									Deliverables: EDD ☐ ADaPT ☐ Other:									
Project Name:		WELLS	Seale Bat	terv	Turr	ANALYSIS REQUEST						Preservativ					rvative Codes							
Project Number:			18343	itory	☑ Routine	Rush	1	Pres.				I											None: NO	DI Water: H₂O
Project Location:		ea Coun		Mexico	Due Date:	5 T	ΔΤ	Code															Cool: Cool	MeOH: Me
Sampler's Name:			te Konar			5 TAT					_								ļ				HCL: HC	HNO <sub>3</sub> : HN
PO #:					the lab, if red			2			EPA METHOD 300.0												H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEI	PT	Temp	Blank:	Yes No	Wet Ice:	Yes	No	Parameters	METHOD 8021B	8015M/D	8							ļ	ļ				H₃PO₄: HP	
Samples Received Ir	ntact:	Yes	No	Thermomet	er ID:			Tall	)8 Q	8	ᇤ									-			NaHSO₄: NA	
Cooler Custody Seal			Correction	actor:			Pai	E E		A											1	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na		
Sample Custody Sea			Temperatu						METHOD										-			Zn Acetate+		
Total Containers:	Corrected			emperature:				EPA.	EPA	SE SE									1			NaOH+Asco	rbic Acid: SAPC	
Sample ider	ple Identification Matrix Date Sampled Sampled			Time Sampled	Depth	Grab/ Comp	# of Cont	втех	TPH-	CHLORIDE												Samp	le Comments	
PHO	)6		s	8/3/2023	15:50	0.5'	G	1	Х	X	Х												Ir	cident ID:
PHO	)6		s	8/3/2023	16:00	1'	G	1	Х	Х	Х											<u> </u>	nAPF	2222254057
PHO	7		s	8/3/2023	16:10	0.5'	G	1	Х	Х	Х													
PHO	7		s	8/3/2023	16:20	1'	G	1	X	Х	X													
PHO	8		s	8/3/2023	16:30	0.5'	G	1	Х	X	Х											<u> </u>		
PHO	8		s	8/3/2023	16:40	1'	G	1	Х	Х	Х													
PHO	9		s	8/3/2023	16:50	0.5'	G	1	Х	X	Х													
PHO	9		s	8/3/2023	17:00	1'	G	1	Х	X	X											<u> </u>		
PH1	0		s	8/3/2023	17:10	0.5'	G	1	Х	X	Х									<u> </u>	_			
PH1	0		s	8/3/2023	17:20	1'	G	1	Х	X	X								<u> </u>	<u> </u>	L	<u></u>	<u> </u>	
Total 200.7 / 6	010	200.8 /	6020:	8	BRCRA 13	РРМ Т	exas 11	AI S	Sb As	s Ba	Be B	Cd (	Ca Cı	Co	Cu Fe	Pb	Mg N	In Mo	Ni l	< Se	Ag S	iO <sub>2</sub> N	Na Sr TI Sn	U V Zn
Circle Method(s) ar					TCLP / S																		/ 245.1 / 747	
lotice: Signature of this of service. Eurofins Xen of Eurofins Xenco. A min	docume	nt and relin	quishment	of samples con	stitutes a valid	purchase o	rder from	client o	ompan	y to Eu	ofins X	enco, its	affiliat	es and s	ubcontr	actors.	it assi	gns sta	ndard te	s beyo	nd the c	control	ed.	
Relinquished by: (Signature) Received by: (Signature)						Date/Time Relinquished by: (Signa					gnature) Received by: (Signature				ure)	Date/Time								
tall clay (1)					8.4.231606																			

Received by OCD: 10/6/2023 9:23:08 AM

C	
eurofins	

Environment Testing Xenco

# **Chain of Custody**

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

Work	Order	No:		

																				www	xenco	.com	Page	_3	of3
Project Manager:	Elick neitera Bill to: (if different)										rder (	er Comments													
Company Name:	Etech	Environm	nental &	Safety Solu	utions, Inc.	Compan	y Name	<b>:</b>								_	Progra	am: U	ST/PS	T	RP	Brow	/nfields∏ R	RC∏ S	uperfund [
Address:	1300	W County	Rd 100	)		Address	:										State of Project:						_		
City, State ZIP:	Midla	nd, Texas	79711			City, Sta	te ZIP:			Reporting: Level II  Level III								el III	PST/UST TRRP Level IV						
Phone:		777-4152			Email:	erick@e	eteche	vn.com	ı, jose	ph@	eteche	env.coi	n				Delive	rables	EDD		,	ADaP1	r 🗆 О	her:	
	1													ΔΝΔΙ	VSIS	PEO	IEST						Press	rvative	Codes
Project Name:			eale Bat	tery	Routine	Around	Pres.			ANALYSIS RE									1				None: NO DI Water: H <sub>2</sub> O		
Project Number:	-		18343					Code			-												Cool: Cool		OH: Me
Project Location:	1	ea Count			Due Date:	5 T.																HCL: HC		On. IVIE O <sub>3</sub> : HN	
Sampler's Name: PO #:	-	Edyt	e Konar	1			day received by lived by 4:30pm		_		300.0												H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		OH: Na
SAMPLE RECE			Wette:	Yes	No	Jete	METHOD 8021B	METHOD 8015M/D	8												H₃PO₄: HP				
Samples Received I									)D 8(	8	METHOD												NaHSO₄: N		
Cooler Custody Sea	is:	Yes No	N/A	Correction I				Pal	된	皇													Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : N	aSO <sub>3</sub>	
Sample Custody Se									ME	Ę.	- EPA												Zn Acetate+		
Total Containers:				Corrected T	emperature:				EPA	EPA	9												NaOH+Asc	orbic Acid	SAPC
Sample Ide	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех.	TPH-E	CHLORIDE												Samp	le Com	nents
PH	11		s	8/3/2023	17:25	0.5'	G	1	X	Х	X												Incident ID:		
PH			s	8/3/2023	17:35	6'	G	1	Х	х	Х												nAP	222225	4057
								<u> </u>																	
							IA	_														<del></del>			
						1	A				_														
					=	1																			
Total 200.7 / 6	010	200.8 / 6	5020:		BRCRA 13															Se	Ag Si	iO <sub>2</sub> N	la Sr TI Si	UVZ	.n
Circle Method(s) a	nd Me	tal(s) to be	e analyz	ed	TCLP / S	PLP 60	10: 8R	CRA	Sb A	As Ba	Ве	Cd Cr	Со	Cu Pl	o Mn	Mo N	li Se	Ag T	I U		Hg: 1	1631 /	/ 245.1 / 747	0 / 747	
Notice: Signature of this of service. Eurofins Xer of Eurofins Xenco. A m	ace will b	a liable only	for the cou	t of camples a	nd shall not ass	ume any re	sponsibi	lity for a	ny loss	es or ex	penses	incurre	d by the	client i	f such lo	osses at	e due to	circun	stance	s beyor	id the co	ontrol	ıd.		
Polinguished b					d by: (Signs					/Time	_	1			by: (Si						oy: (Si			Date	/Time

16005

Revised Date: 08/25/2026 Rev. 2020 2

### **Login Sample Receipt Checklist**

Client: Etech Environmental & Safety Solutions

Job Number: 890-5038-1

SDG Number: Lea County NM

Login Number: 5038 **List Source: Eurofins Carlsbad** 

List Number: 1 Creator: Clifton, Cloe

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

### **Login Sample Receipt Checklist**

Client: Etech Environmental & Safety Solutions

Job Number: 890-5038-1

SDG Number: Lea County NM

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

Login Number: 5038 List Number: 2

Creator: Rodriguez, Leticia

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**

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



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: <u>image001.pnq</u>

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

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

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

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



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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 273161

### **CONDITIONS**

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	273161
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/22/2023