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

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	NAPP2228734147
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Forty Acres Energy			ly	OGRID	371416	
Contact Name Brittney Storfa				Contact	Contact Telephone 832-241-8080	
Contact email brittney@faenergyus.com			com	Incident	# (assigned by OCD) nAPP2228734147	
Contact mail	ing address	11757 Katy FV	VY Suite 725, H	ouston, TX 770	079	
_atitude3	2.517067			of Release S Longitude cimal degrees to 5 dec	-103.333264	
Site Name	GM Batte	erv		Site Type	Battery	
Date Release		10/13/2022		API# (if ap		
Unit Letter	Section	Township	Range	Cou	unty	
L	02	21 S	35E	Lea		
diface Owne.				Volume of	Release	
Crude Oil		Volume Release			Volume Recovered (bbls) 2 bbls	
N Produced	Water	Volume Release	d (bbls) 17	bbls	Volume Recovered (bbls) 10 bbls	
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?				hloride in the	☐ Yes ☒ No	
Condensa	te				Volume Recovered (bbls)	
☐ Natural G	Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		units)	Volume/Weight Recovered (provide units)			
Cause of Rele Transfer		ged up and cre	ated leak. Leak	was all in batte	ery containment.	

Form C-141

Page 2

State of New Mexico Oil Conservation Division

Incident ID	NAPP2228734147
District RP	
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Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible 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 wh	nom? When and by what means (phone, email, etc)?
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
The impacted area has	s been secured to protect human health and	the environment.
X Released materials ha	ive been contained via the use of berms or d	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	why:
D 10 15 20 0 D (4) NM	A C d	and distingtion in modifically after discovery of a valence. If remodiation
has begun, please attach a	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred clease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger
public health or the environn	nent. The acceptance of a C-141 report by the O	CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of	f a C-141 report does not relieve the operator of a	responsibility for compliance with any other federal, state, or local laws
and/or regulations.	0.00	Des duration Engineers
Printed Name: Brittne	ey Storfa	Title: Production Engineer
Signature:	J W	Date:10/14/2022
email: brittney@fa	aenergyus.com	Telephone: 832-241-8080
OCD Only		
Jocelyn I Received by:	Harimon	10/14/2022 Date:

	1 480 0 0 1
Incident ID	NAPP2228734147
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>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 not on an exploration, development, production, or storage site?	☐ Yes ☒ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	

Characterization Report Checklist: Each of the following items must be included in the report.
<u> </u>
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: 10/4/2023 8:56:29 AM State of New Mexico
Page 4 Oil Conservation Division

	Page 4 of 1	77
Incident ID	NAPP2228734147	
District RP		
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Application ID		

public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a the	otifications and perform corrective actions for releases which may endanger e OCD does not relieve the operator of liability should their operations have
Printed Name: Alex Bolanos	Title: Regulatory/Production Analyst
Signature: Alex Bolanos	Date: 10/3/23
email: alex@faeneregyus.com	Telephone: 832-689-3788
OCD Only	
Received by: Shelly Wells	Date: <u>10/4/2023</u>

Page 5 of 177

Incident ID	NAPP2228734147
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Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	be included in the plan.			
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 				
Deferral Requests Only: Each of the following items must be co	nfirmed as part of any request for deferral of remediation			
	production equipment where remediation could cause a major facility			
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name: Alex Bolanos	Title: Regulatory/Production Analyst			
Signature: Alex Bolanos email: alex@faenergyus.com	Date: 10/3/23			
email: alex@faenergyus.com	Telephone: 832-689-3788			
	•			
OCD Only				
Received by: Shelly Wells	Date: 10/4/2023			
Approved	Approval Denied Deferral Approved			
Signature: Nelson Velez	Date: 01/23/2024			

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



DEFERRAL REQUEST REPORT

GM Battery
Lea County, New Mexico
Incident Numbers:
NAPP2321641080

NAPP2228734147

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

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



SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Forty Acres Energy, LLC (FAE), presents the following Deferral Request Report (DRR) detailing site assessment and soil sampling activities performed for two overlapping inadvertent releases of crude oil and produced water at the GM Battery (Site). Based on field observations, information provided by FAE, and review of the laboratory analytical results from soil sampling activities at the Site, FAE requests to defer residual soil impacts beneath and immediately adjacent to active production equipment until decommissioning or major facility deconstruction of the Site, whichever comes first.

SITE LOCATION AND RELEASE BACKGROUNDS

NAPP2321641080

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

NAPP2228734147

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

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

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

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

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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



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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring L-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.43-mile northwest of the Site. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Referenced well records for the soil boring are provided in **Appendix B**.

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

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

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

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

SITE ASSESSMENT AND SOIL SAMPLING ACTIVITIES

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

Concurrently with excavation soil sampling activities, six delineation potholes (PH01 through PH06) were advanced via mechanical equipment to assist with confirming residual impacts were contained within the secondary containment earthen berm. Delineation activities were driven by field screening soil as previously described. A minimum of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field



screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 3** in **Appendix A**. Photographic documentation of soil sampling activities is included in **Appendix D**.

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

LABORATORY ANALYTICAL RESULTS

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

DEFERRAL REQUEST

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

- Depth to groundwater is estimated to be greater than 100 feet bgs based on NMOSE permitted soil boring L-01975-POD1, and no other sensitive receptors are within the applicable buffer ranges.
- According to laboratory analytical results of excavation soil samples, impacts have been excavated to the MEP and removed from the Site to limit future vertical migration and human exposure upon future Site visits. The remaining residual impacts associated with the inadvertent release reside beneath and immediately adjacent to an above ground storage tank and above ground utilities. Safety restrictions prevented the ability to remove impacted soil in the vicinity of FS04, because further removal of impacted soil would compromise the structural integrity of active production equipment and endanger on-site personnel. Based on the vicinity of FS07 (collected from 4 feet bgs) to FS04 (collected from 3 feet bgs), impacts do not appear to exceed 4 feet bgs at FS04. The approximate area of the proposed deferral area is presented on Figure 4 in Appendix A.
- Laboratory analyses for all delineation soil samples yielded COC concentrations below the applicable Site Closure Criteria.
- Based on the laboratory analytical data and corrective actions detailed in this DRR, residual impacts associated with the inadvertent release have been excavated to the MEP and sufficiently delineated in accordance with the applicable Site Closure Criteria. FAE believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment and groundwater. As such, FAE requests consideration for the deferral of approximately 94 CYs of impacted soil associated with Incident Numbers NAPP2321641080 and NAPP2228734147 until decommissioning or major facility deconstruction of the Site, whichever comes first.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (281) 777-4152 or erick@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release.



Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera Staff Geologist

EriclA

Joseph S. Hernandez Senior Managing Geologist

CC:

David Schellstede, Forty Acres Energy New Mexico Oil Conservation Division

Appendices:

Appendix A Figure 1: Site Map

Figure 3: Excavation Soil Sample Locations
Figure 3: Delineation Soil Sample Locations

Figure 4: Deferral Area

Appendix B Referenced Well Records

Appendix C Soil Sampling Logs
Appendix D Photographic Log

Appendix E Tables

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

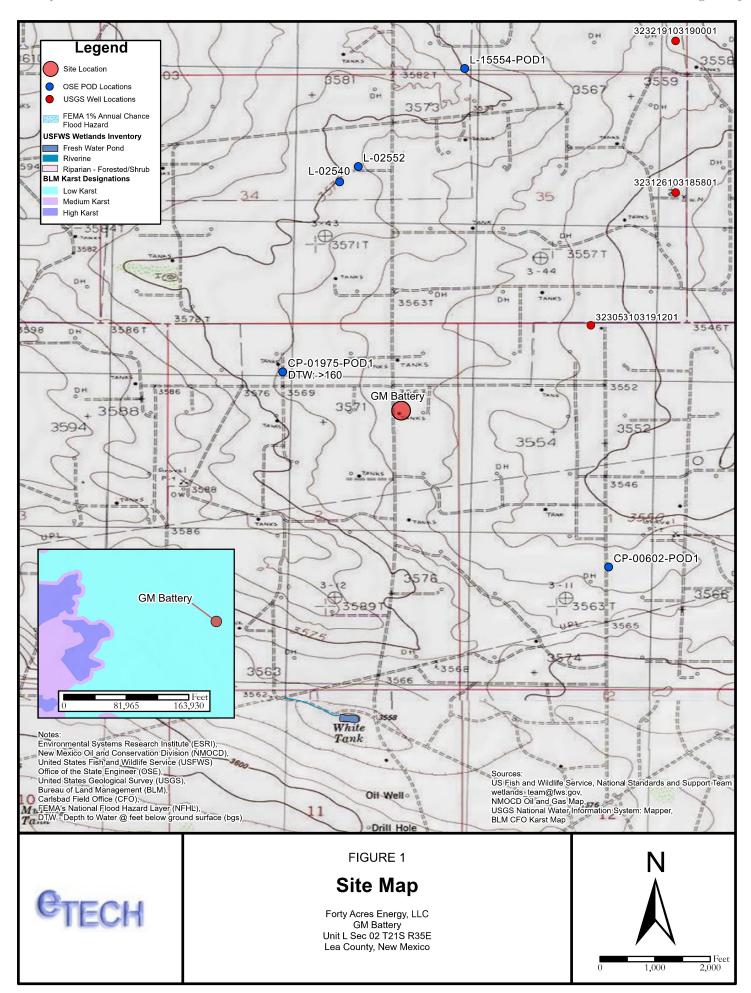
Appendix G NMOCD Notifications

APPENDIX A

Figures

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



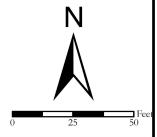


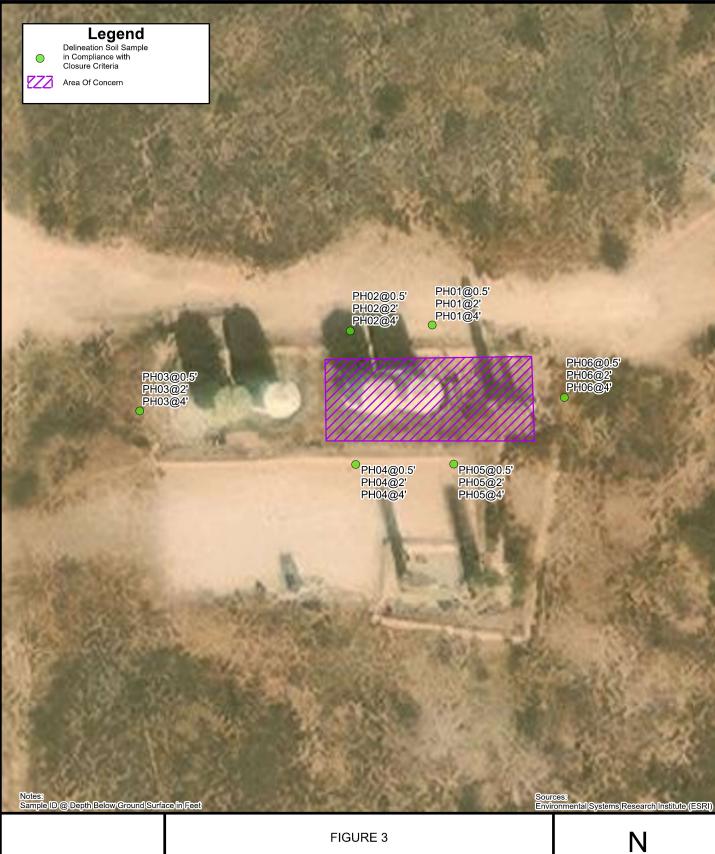




Excavation Soil Sample Locations

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

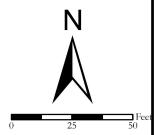


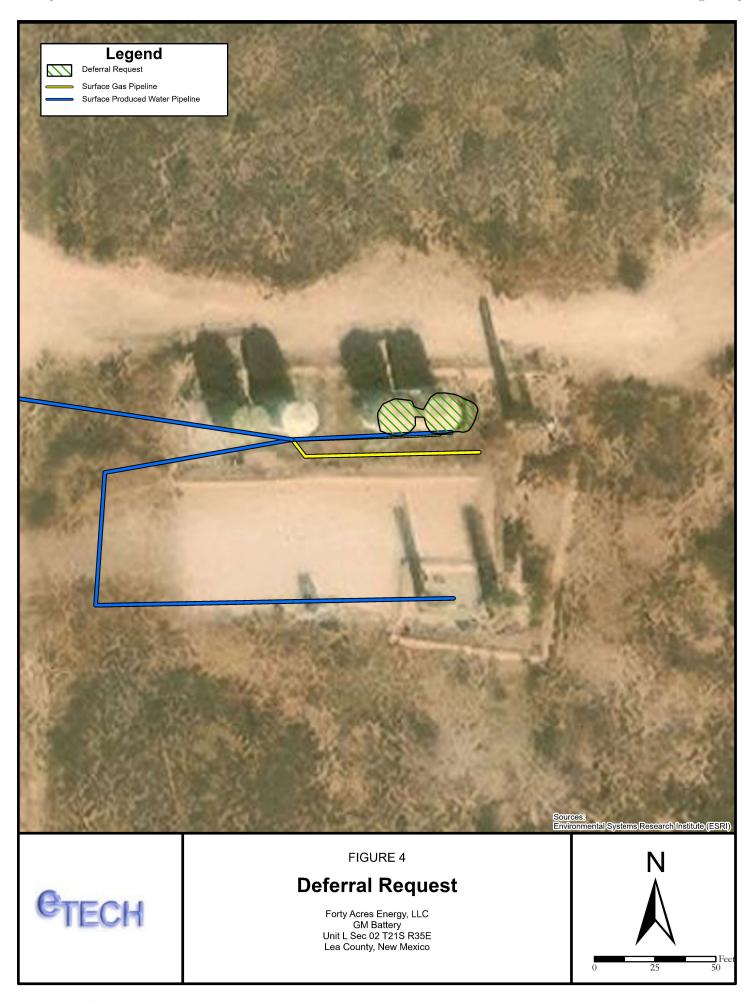




Delineation Soil Sample Locations

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





APPENDIX B

Referenced Well Records

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





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NO POD-1	. (WELL N	O.)		WELL TAG ID NO. 213A19			OSE FILE NO(S	S).			
ОСАТІ	WELL OWNI Clay Tom (S)					PHONE (OPTIO	ONAL)			
GENERAL AND WELL LOCATION	WELL OWNE Box 6	ER MAILIN	IG ADDRESS					CITY Monument		STATE NM 88265	ZIP	
É			DE	GREES	MINUTES	SECON	DS					
LA	WELL LOCATIO	N I	ATITUDE	32 31 09.6				* ACCURACY REQUIRED: ONE TENTH OF A SECOND				
ERA	(FROM GP	(S)	ONGITUDE	103	20	24.		* DATUM REC	QUIRED: WGS 84			
1. GEN	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE											
	LICENSE NO 183		NAME OF LICENSED	DRILLER	Boyd Coffey				NAME OF WELL DR	ILLING COMPANY Coffey Drilling		
	DRILLING ST 8-24-2		DRILLING ENDED 8-24-2023	DEPTH OF CO	MPLETED WELL (F)	Γ)		LE DEPTH (FT) 160	DEPTH WATER FIR	ST ENCOUNTERED (FT) NA		
Z	COMPLETEI	O WELL IS	: ARTESIAN	✓ DRY HOI	LE SHALLO	W (UNCON	NFINED)		STATIC WATER LEV	VEL IN COMPLETED WE NA	LL (FT)	
CASING INFORMATION	DRILLING FI	LUID:	AIR	✓ MUD	IFY:							
	DRILLING M	IETHOD:	✓ ROTARY	П наммен	CABLE T	OOL	ОТНЕ	R – SPECIFY:				
Ę	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	D/OR	C/	ASING	CASING	CASING WALL	SLOT	
5	FROM	TO	DIAM	(include	GRADE each casing string,	and	CONN	NECTION TYPE	INSIDE DIAM.	THICKNESS	SIZE	
ASI		(inches)			note sections of screen) (add of				(inches)	(inches)	(inches)	
	0	20	10	PVC				bell	5	sdr 21		
NG	20	100	8.75		PVC			bell	5	sdr 21		
П	100	120	8.75		PVC			bell	5	sdr 21	0.020	
DRILLING &	120	160	8.75		PVC			bell	5	sdr 21		
7												
	DEPTH	(feet bgl)	Dorth Hobb		ST ANNULAR SE				AMOUNT	МЕТНО		
IAL	FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE-			RVAL	(cubic feet)	PLACEN		
TER	0	20	10		3/8 Bentor		olug		8	Pou		
ANNULAR MATERIAL	20	160	8.75		3/8 pe	ea gravel			38	Pou	r	
LAR												
ĬNU.												
3. AN												
60												
FOR	OGE P.ZZZZ	NIAI 770		1				TYIN .	NELL PEGGE	0.100.01 : 0::0	0/10)	
FOR	OSE INTER	nal US	E					WR-20	WELL RECORD	& LOG (Version 04/3	0/19)	

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

FILE NO.

LOCATION

	DEPTH (feet bgl) ESTIMATED									
	DEPTH (i	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE: (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)				
	0	5	5	Red Sandy Top Soil	Y ✓ N					
	5	46	41	White Caliche	Y ✓N					
	46	94	48	Tan soft SandStone	Y ✓ N					
	94	101	7	Red clay	Y ✓N					
	101	108	7	Course sand/gravel	Y ✓N					
	101	160	52	Red Clay	Y VN					
4. HYDROGEOLOGIC LOG OF WELL	100	100	32	Red Clay	Y N					
F W					Y N					
0 90					Y N					
070										
150					Y N Y N					
)103										
150										
YDR										
4. H										
					Y N					
					Y N					
					Y N					
					Y N					
					Y N					
					Y N					
				T	Y N					
	METHOD U	ISED TO ES	TOTAL ESTIMATED WELL YIELD (gpm):	0.00						
	PUMI	?	IR LIFT ✓	BAILER OTHER – SPECIFY:	WEEE TIEED (gpin).	0.00				
NOI	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVI		_				
[VIS]	MISCELLANEOUS INFORMATION:									
PER										
ns 5										
; RIG										
EST	START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICEN									
5. T		(3) 01 2.								
SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.									
6. S		CICNIAT	LIDE OF DOLL 1	D / DDINT SIGNEE NAME	DATE					
		SIGNAI	UKE OF DKILLE	R / PRINT SIGNEE NAME	DATE					
ΕΩΙ	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/2019)									

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

Released	to	Imaging:	1/	23	2024	8:13:	:19 AM

FILE NO.

LOCATION

APPENDIX C

Soil Sampling Logs

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



Sample Name: PH01 Date: 08/03/2023 Site Name: GM Battery Incident Numbers: NAPP23211641080 & NAPP2228734147 Job Number: 18341 LITHOLOGIC / SOIL SAMPLING LOG Logged By: EK Method: Backhoe Site Coordinates: 32.517067, -103.333264 Hole Diameter: N/A Total Depth: 4'

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

Ľ								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	No	PH01	0.5	0	SP	(0-4') SAND, dry, light brown, poorly graded very fine to fine grained, trace silt, no staining, no odor.
Dry	<112	0.0	No		1 _	_ 1		
Dry	<112	0.0	No	PH01	2 _	- _ 2 -		
-	-	-	-	-	3 _	_ 3		
Dry	<112	0.0	No	PH01	4 _	- _ 4		

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

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

F								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-4') SAND, dry, light brown, poorly graded, very
Dry	<112	0.0	No	PH02	0.5	+		fine to fine grained, trace silt, no staining, no odor.
Dry	<112	0.0	No		1	1		
Dry	<112	0.0	No	PH02	2 _	2		
-	-	-	-	-	3 _	3		
Dry	136	0.0	No	PH02	4 _	4		

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

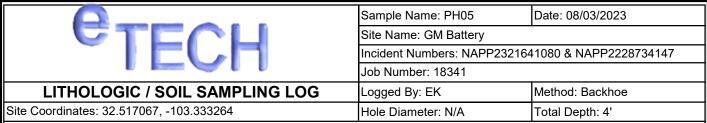
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

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

Sample Name: PH04 Date: 08/03/2023 **ECH** Site Name: GM Battery Incident Numbers: NAPP2321641080 & NAPP2228734147 Job Number: 18341 LITHOLOGIC / SOIL SAMPLING LOG Logged By: EK Method: Backhoe Site Coordinates: 32.517067, -103.333264 Hole Diameter: N/A Total Depth: 6' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test

performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	3.1	No	PH04	0.5	0	CCHE	(0-1') Pad surface CALICHE, dry, no staining, no odor.
Dry	284	0.1	No		1 .	1	SP	(1-4') SAND, dry, light brown, poorly graded, very fine to fine grained, trace silt, no staining, no odor.
Dry	284	0.0	No	PH04	2	2		
-	-	-	-	-	3	3		
Dry	<112	0.0	No	PH04	4	4		



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

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

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

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

<u> </u>								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	Nο	PH06	0.5	0	SP	(0-4') SAND, dry, brown, poorly graded, very fine to fine grained, trace of silt, no staining, no odor.
		0.0	''	1100	0.0 -	_		into to fine granted, trace of one, the standing, the sacri-
Dry	<112	0.0	No		1 _	_ 1		
Dry	<112	0.0	No	PH06	2 _	- _ 2 -		
-	-	-	-	-	3 _	_ 3		
Dry	<112	0.0	No	PH06	4 _	- - 4		

APPENDIX D

Photographic Log

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

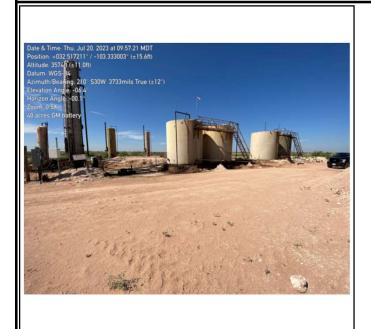


eTECH

PHOTOGRAPHIC LOG

Forty Acres Energy, LLC GM Battery

Incident Numbers: nAPP23211641080 & nAPP2228734147



Photograph 1 Date: 07/20/2023

Description: Southwestern view of Site during assessment activities.



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



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



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

APPENDIX E

Tables

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Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy, LLC GM Battery Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closu Release (NMAC 19.15.		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Delineation So	oil Samples - Incident N	Numbers NAPP232164	1080 & NAPP222873414	17		
PH01	08/03/2023	0.5	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	83.0
PH01	08/03/2023	2	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	86.4
PH01	08/03/2023	4	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	53.3
PH02	08/03/2023	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	135
PH02	08/03/2023	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	87.2
PH02	08/03/2023	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	143
PH03	08/03/2023	0.5	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	88.6
PH03	08/03/2023	2	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	<49.6	58.6
PH03	08/03/2023	4	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	40.5
PH04	08/03/2023	0.5	<0.00199	<0.00398	<50.4	96.2	<50.4	96.2	96.2	86.0
PH04	08/03/2023	2	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	62.0
PH04	08/03/2023	4	<0.00198	<0.00396	<49.7	119	<49.7	119	119	51.4
PH05	08/03/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	109
PH05	08/03/2023	2	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	<50.4	41.1
PH05	08/03/2023	4	<0.00202	<0.00403	<50.3	137	<50.3	137	137	49.4
PH06	08/03/2023	0.5	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	<50.2	75.4
PH06	08/03/2023	2	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	88.0
PH06	08/03/2023	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	90.2
				Excavation So	oil Samples - Incident N	lumbers NAPP2321641	080 & NAPP222873414	7		
FS01	08/03/2023	3	<0.00200	<0.00400	<50.4	331	<50.4	331	331	538
FS02	08/03/2023	3	<0.00198	<0.00396	<50.2	382	<50.2	382	382	412
FS03	08/03/2023	3	<0.00201	<0.00402	<49.9	110	<49.9	110	110	813
FS04	08/03/2023	3	<0.00202	<0.00403	<49.7	1,250	<49.7	1,250	1,250	1,010
FS05	08/03/2023	3	<0.00202	<0.00403	<49.8	499	<49.8	499	499	306
FS06	08/03/2023	3	<0.00199	<0.00398	<50.3	295	<50.3	295	295	976
FS07	08/03/2023	4	<0.00198	<0.00396	<50.5	363	<50.5	363	363	501
FS08	08/03/2023	3	<0.00201	<0.00402	<50.0	391	<50.0	391	391	1,870
FS09	08/03/2023	3	<0.00200	<0.00401	<49.9	966	<49.9	966	966	310
FS10	08/03/2023	3	<0.00200	<0.00399	<49.6	175	<49.6	175	175	892



Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy, LLC **GM Battery** Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000			
SW01	08/03/2023	0-3	<0.00198	<0.00397	<50.2	302	<50.2	302	302	1,070			
SW02	08/03/2023	0-3	<0.00198	<0.00396	<50.4	684	82.5	767	767	453			
SW03	08/03/2023	0-3	<0.00201	<0.00402	<50.0	500	60.2	560	560	527			
SW04	08/03/2023	0-3	<0.00202	<0.00403	<49.7	683	64.3	747	747	248			
SW05	08/03/2023	0-3	<0.00200	0.0287	<49.8	549	79.1	628	628	993			
SW06	08/03/2023	0-3	<0.00201	0.0130	<49.6	685	75.6	761	761	428			

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

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

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

WEU GM Battery SDG NUMBER Lea County NM

JOB NUMBER

890-5037-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization

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

Authorized for release by Jessica Kramer, Project Manager <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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4.0

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Client: Etech Environmental & Safety Solutions Project/Site: WEU GM Battery Laboratory Job ID: 890-5037-1 SDG: Lea County NM

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPI C/IC

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

Glossary

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

ND	Not Detected at the reporting limit (or MI

ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

RPD	Relative Percent Difference, a measure of the relative difference between two points
TEE	T : " E : 1 (E : (D) :)

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

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Job ID: 890-5037-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5037-1

Receipt

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

GC VOA

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

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-5037-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH02 (890-5037-5), PH02 (890-5037-6), PH04 (890-5037-11) and PH04 (890-5037-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH05 (890-5037-14), PH06 (890-5037-17) and PH06 (890-5037-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH02 (890-5037-5) and PH03 (890-5037-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59538 and analytical batch 880-59750 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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0

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14

Matrix: Solid

Lab Sample ID: 890-5037-1

08/21/23 11:18

Lab Sample ID: 890-5037-2

Client Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

Client Sample ID: PH01

Date Collected: 08/03/23 11:30 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		08/12/23 14:59	08/13/23 22:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/13/23 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/12/23 14:59	08/13/23 22:27	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/12/23 14:59	08/13/23 22:27	1
 Method: TAL SOP Total BTEX 	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 15:21	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1
Total TPH	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/15/23 16:37	08/18/23 20:50	1
o-Terphenyl	94		70 ₋ 130				08/15/23 16:37	08/18/23 20:50	1

50.3

mg/Kg

<50.3 U

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.0	F1	5.00		mg/Kg			08/09/23 16:12	1

Client Sample ID: PH01

Date Collected: 08/03/23 11:35

Date Received: 08/04/23 16:05

Sample Depth: 2

Total TPH

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

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-5037-2

Client Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

Client Sample ID: PH01

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

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/14/23 15:21	1

Analyte	Result	Qualifier	RL	MDL Ur	nit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	m				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	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
Total TPH	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4		5.05		mg/Kg			08/09/23 16:29	1

Client Sample ID: PH01 Lab Sample ID: 890-5037-3

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

Sample Depth: 4

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

momour officers out in	no organio comp	oundo (oo	,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorohenzene (Surr)	123		70 130				08/12/23 14:50	08/13/23 23:18	

4-Bromofluorobenzene (Surr)	123	70 - 130	08/12/23 14:59	08/13/23 23:18	1
1,4-Difluorobenzene (Surr)	72	70 - 130	08/12/23 14:59	08/13/23 23:18	1
_					

Method: TAL	SOD Total	DTEV Total	DTEV C	alculation
I WELLIOO, IAL	. SUP IUIAI	DIEA - IUIAI	DIEAL	aicuiation

Analyte	Result	Qualifier	RL	MDL	Unit	0)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg				08/14/23 15:21	1

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Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-3

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

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

Client Sample ID: PH01

Sample Depth: 4

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 11:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
Total TPH	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/15/23 16:37	08/18/23 22:19	1
o-Terphenyl	88		70 - 130				08/15/23 16:37	08/18/23 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.3		5.02		mg/Kg			08/09/23 16:35	1

Lab Sample ID: 890-5037-4 **Client Sample ID: PH02**

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

Released to Imaging: 1/23/2024 8:13:19 AM

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	08/13/23 23:43	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	•
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/13/23 23:43	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/13/23 23:43	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/12/23 14:59	08/13/23 23:43	1
1 1 Differenchemanne (Cerry)	81		70 - 130				08/12/23 14:59	08/13/23 23:43	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte	Total BTEX Calc	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Cald Result <0.00398	Qualifier U	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese	Total BTEX Calc Result <0.00398 el Range Organ	Qualifier U	RL 0.00398		mg/Kg		Prepared	Analyzed 08/14/23 15:21	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Total BTEX Calc Result <0.00398 el Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	<u>D</u>		Analyzed 08/14/23 15:21 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Total BTEX Calc Result <0.00398 el Range Organ Result <50.1	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 50.1		mg/Kg		Prepared	Analyzed 08/14/23 15:21	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Total BTEX Calc Result <0.00398 el Range Organ Result <50.1 sel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 50.1	MDL	mg/Kg		Prepared	Analyzed 08/14/23 15:21 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	Total BTEX Calc Result <0.00398 el Range Organ Result <50.1 sel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 50.1	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/14/23 15:21 Analyzed 08/21/23 11:18	Dil Fa
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Total BTEX Calc Result <0.00398 el Range Organ Result <50.1 sel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	RL 0.00398 GC) RL 50.1 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 08/14/23 15:21 Analyzed 08/21/23 11:18 Analyzed	Dil Fac

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Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Client Sample ID: PH02

Lab Sample ID: 890-5037-4

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

Matrix: Solid

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				08/15/23 16:37	08/18/23 22:41	1
o-Terphenyl	94		70 - 130				08/15/23 16:37	08/18/23 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RLMDL Unit D Prepared Analyzed Dil Fac Chloride 135 4.97 mg/Kg 08/09/23 16:40

Client Sample ID: PH02 Lab Sample ID: 890-5037-5

Date Collected: 08/03/23 11:50

Matrix: Solid

Date Received: 08/04/23 16:05

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				08/12/23 14:59	08/14/23 00:09	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/12/23 14:59	08/14/23 00:09	1
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - T									
-	<0.00396		RL 0.00396	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 15:21	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	<0.00396	U	0.00396	MDL		<u>D</u>	Prepared		
Total BTEX	<0.00396	U	0.00396			<u>D</u>	Prepared Prepared		
Total BTEX Method: SW846 8015 NM - Diese	<0.00396	ics (DRO) (Qualifier	0.00396 GC)		mg/Kg		· · ·	08/14/23 15:21	1
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00396 Range Organ Result <50.0	ics (DRO) (Qualifier	0.00396 GC) RL 50.0		mg/Kg		· · ·	08/14/23 15:21 Analyzed	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	<0.00396 Range Organ Result <p><50.0</p> sel Range Orga	ics (DRO) (Qualifier	0.00396 GC) RL 50.0	MDL	mg/Kg		· · ·	08/14/23 15:21 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00396 Range Organ Result <p><50.0</p> sel Range Orga	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00396 GC) RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	08/14/23 15:21 Analyzed 08/21/23 11:18	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00396 Pl Range Organ Result <50.0 Sel Range Orga Result <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00396 RL 50.0 (GC) RL 50.0	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 08/15/23 16:37	08/14/23 15:21 Analyzed 08/21/23 11:18 Analyzed 08/18/23 23:04	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00396 Pl Range Organ Result <50.0 Sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00396 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	08/14/23 15:21 Analyzed 08/21/23 11:18 Analyzed	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00396 Pl Range Organ Result <50.0 Sel Range Orga Result <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	0.00396 RL 50.0 (GC) RL 50.0	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 08/15/23 16:37	08/14/23 15:21 Analyzed 08/21/23 11:18 Analyzed 08/18/23 23:04	Dil Fac

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08/18/23 23:04

Analyzed

08/18/23 23:04

08/18/23 23:04

50.0

Limits

70 - 130

70 - 130

mg/Kg

08/15/23 16:37

Prepared

08/15/23 16:37

08/15/23 16:37

<50.0 U

%Recovery Qualifier

109

S1+ 141

Total TPH

Surrogate

o-Terphenyl

1-Chlorooctane

8/21/2023

Dil Fac

Job ID: 890-5037-1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

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

Client Sample ID: PH02 Lab Sample ID: 890-5037-5 Matrix: Solid

Date Collected: 08/03/23 11:50 Date Received: 08/04/23 16:05

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	87.2		5.04		mg/Kg			08/09/23 16:46	1

Client Sample ID: PH02 Lab Sample ID: 890-5037-6

Date Collected: 08/03/23 11:55

Date Received: 08/04/23 16:05

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 00:34	
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 00:34	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				08/12/23 14:59	08/14/23 00:34	
1,4-Difluorobenzene (Surr)	102		70 - 130				08/12/23 14:59	08/14/23 00:34	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 15:21	•
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			08/21/23 11:18	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	•
C10-C28)	-40.0		40.0				00/45/00 40:07	00/40/00 00:00	
Oll Range Organics (Over C28-C36)	<49.9		49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	
Total TPH	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	125		70 - 130				08/15/23 16:37	08/18/23 23:26	
o-Terphenyl	100		70 - 130				08/15/23 16:37	08/18/23 23:26	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
						_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

SDG: Lea County NM

Job ID: 890-5037-1

Client Sample ID: PH03

Lab Sample ID: 890-5037-7

Date Collected: 08/03/23 12:00 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	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/12/23 14:59	08/14/23 00:59	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/12/23 14:59	08/14/23 00:59	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/23 15:21	1
• •					mg/Kg			08/14/23 15:21	1
Total BTEX : Method: SW846 8015 NM - Diese Analyte	el Range Organ			MDL	mg/Kg Unit	D	Prepared	08/14/23 15:21 Analyzed	1 Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.6	ics (DRO) (Gualifier	GC) RL 49.6	MDL	Unit	<u> </u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.6 sel Range Organ	ics (DRO) (Gualifier	GC) RL 49.6		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.6 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.6		Unit mg/Kg	<u> </u>	<u> </u>	Analyzed 08/21/23 11:18	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.6 sel Range Orga Result	ics (DRO) (Qualifier U unics (DRO) Qualifier U	RL 49.6 (GC)		Unit mg/Kg Unit	<u> </u>	Prepared	Analyzed 08/21/23 11:18 Analyzed	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result 49.6 sel Range Orga Result 49.6	ics (DRO) (Control of the Control of	(GC) RL 49.6 RL 49.6		Unit mg/Kg Unit mg/Kg	<u> </u>	Prepared 08/15/23 16:37	Analyzed 08/21/23 11:18 Analyzed 08/18/23 23:49	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.6 sel Range Orga Result 49.6 49.6	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 49.6 (GC) RL 49.6 49.6		Unit mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 08/15/23 16:37 08/15/23 16:37	Analyzed 08/21/23 11:18 Analyzed 08/18/23 23:49 08/18/23 23:49	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <49.6 sel Range Orga Result <49.6 <49.6 <49.6	ics (DRO) (Qualifier U unics (DRO) Qualifier U U U	GC) RL 49.6 (GC) RL 49.6 49.6 49.6		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 08/15/23 16:37 08/15/23 16:37 08/15/23 16:37	Analyzed 08/21/23 11:18 Analyzed 08/18/23 23:49 08/18/23 23:49 08/18/23 23:49	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	el Range Organ Result <49.6 sel Range Orga Result <49.6 <49.6 <49.6 <49.6	ics (DRO) (Qualifier U unics (DRO) Qualifier U U U	GC) RL 49.6 (GC) RL 49.6 49.6 49.6 49.6 49.6		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 08/15/23 16:37 08/15/23 16:37 08/15/23 16:37 08/15/23 16:37	Analyzed 08/21/23 11:18 Analyzed 08/18/23 23:49 08/18/23 23:49 08/18/23 23:49 08/18/23 23:49	

Client Sample ID: PH03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

88.6

Lab Sample ID: 890-5037-8

Analyzed

08/09/23 17:09

Date Collected: 08/03/23 12:05 Date Received: 08/04/23 16:05 **Matrix: Solid**

Dil Fac

Sample Depth: 2

Analyte

Chloride

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

RL

5.00

MDL Unit

mg/Kg

D

Prepared

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

SDG: Lea County NM

Job ID: 890-5037-1

Matrix: Solid

Lab Sample ID: 890-5037-8

Client Sample ID: PH03

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

Sample Depth: 2

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111	70 - 130	08/12/23 14:59	08/14/23 01:24	1
1,4-Difluorobenzene (Surr)	75	70 - 130	08/12/23 14:59	08/14/23 01:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/14/23 15:21	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 11:18	1

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

4	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1
	(GRO)-C6-C10 Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1
	C10-C28) OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1
	Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/19/23 00:12	1

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.6		5.01		mg/Kg			08/09/23 17:15	1

Client Sample ID: PH03

Date Collected: 08/03/23 12:10

Date Received: 08/04/23 16:05

1,4-Difluorobenzene (Surr)

Sample Depth: 4

•			
_			

Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				08/12/23 14:59	08/14/23 01:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

119

method. TAE SOT Total BTEX - Total BTEX Galculation											
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Total BTEX	<0.00402	U	0.00402		ma/Ka			08/14/23 15:21	1	

70 - 130

Eurofins Carlsbad

Lab Sample ID: 890-5037-9

08/14/23 01:50

08/12/23 14:59

Matrix: Solid

2

3

4

6

8

10

12

13

otins Carisbad

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-9

Client Sample ID: PH03 Date Collected: 08/03/23 12:10

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Sample Depth: 4

Date Received: 08/04/23 16:05

Method: SW846 8015 NM - Diesel Ra	ınge Organi	ics (DRO) (G	C)						
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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1
Total TPH	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				08/15/23 16:37	08/19/23 00:34	1
o-Terphenyl	114		70 - 130				08/15/23 16:37	08/19/23 00:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	40.5	5.03		mg/Kg			08/09/23 17:22	1

Lab Sample ID: 890-5037-10 **Client Sample ID: PH04**

Date Collected: 08/03/23 12:20 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 02:15	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/12/23 14:59	08/14/23 02:15	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/12/23 14:59	08/14/23 02:15	1
Method: TAL SOP Total BTEX - T Analyte Total BTEX	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed 08/14/23 15:21	Dil Fac
Analyte Total BTEX	Result <0.00398	Qualifier U	0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 15:21	Dil Fac
Analyte	Result <0.00398	Qualifier U	0.00398	MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00398	Qualifier U	0.00398 GC)		mg/Kg	=		08/14/23 15:21	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00398 Range Organ Result 96.2	Qualifier U ics (DRO) (Qualifier	0.00398 GC) RL 50.4		mg/Kg	=		08/14/23 15:21 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result 96.2 sel Range Organ	Qualifier U ics (DRO) (Qualifier	0.00398 GC) RL 50.4		mg/Kg Unit mg/Kg	=		08/14/23 15:21 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	Result 96.2 sel Range Organ	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	0.00398 GC) RL 50.4 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	08/14/23 15:21 Analyzed 08/21/23 11:18	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00398 Range Organ Result 96.2 Sel Range Orga Result	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	0.00398 GC) RL 50.4 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	08/14/23 15:21 Analyzed 08/21/23 11:18 Analyzed	1

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-10

Client Sample ID: PH04 Date Collected: 08/03/23 12:20

Matrix: Solid

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Sample Depth: 0.5

Date Received: 08/04/23 16:05

Method: SW846 8015B N	NM - Diesel Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	96.2		50.4		mg/Kg		08/15/23 16:37	08/19/23 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				08/15/23 16:37	08/19/23 04:21	1
o-Terphenyl	105		70 - 130				08/15/23 16:37	08/19/23 04:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RLMDL Unit D Prepared Analyzed Dil Fac Chloride 4.99 mg/Kg 08/09/23 17:28 86.0

Client Sample ID: PH04 Lab Sample ID: 890-5037-11

Date Collected: 08/03/23 12:30

%Recovery Qualifier

130

103

Date Received: 08/04/23 16:05

Sample Depth: 2

Surrogate

o-Terphenyl

1-Chlorooctane

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				08/12/23 14:59	08/14/23 03:56	1
1,4-Difluorobenzene (Surr)	129		70 - 130				08/12/23 14:59	08/14/23 03:56	1
Total BTEX Method: SW846 8015 NM - Diese	<0.00399 I Range Organ		0.00399 GC)		mg/Kg			08/14/23 15:21	1
		() (/						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result <50.5		RL 50.5	MDL	Unit mg/Kg	D	Prepared	Analyzed 08/21/23 11:18	Dil Fac
Analyte	<50.5	U	50.5	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	<50.5	U	50.5			<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total TPH	<50.5	nics (DRO) Qualifier	50.5 (GC)		mg/Kg			08/21/23 11:18	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<50.5 sel Range Orga Result	nics (DRO) Qualifier	50.5 (GC)		mg/Kg Unit		Prepared	08/21/23 11:18 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.5 sel Range Orga Result <50.5	nics (DRO) Qualifier U	50.5 (GC) RL 50.5		mg/Kg Unit mg/Kg		Prepared 08/15/23 16:37	08/21/23 11:18 Analyzed 08/19/23 00:57	1 Dil Fac

Eurofins Carlsbad

Analyzed

08/19/23 00:57

08/19/23 00:57

Prepared

08/15/23 16:37

08/15/23 16:37

Limits

70 - 130

70 - 130

Dil Fac

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-11

Client Sample ID: PH04

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

Sample Depth: 2

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.0		4.96		mg/Kg			08/09/23 17:35	1

Lab Sample ID: 890-5037-12 **Client Sample ID: PH04** Matrix: Solid

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

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	08/12/23 14:59	08/14/23 04:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/12/23 14:59	08/14/23 04:21	1

Method: IAL SOP Total BTEX - Total	ulation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg		_	08/14/23 15:21	1

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	119		49.7		mg/Kg			08/21/23 11:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1
Diesel Range Organics (Over C10-C28)	119		49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1
Total TPH	119		49.7		mg/Kg		08/15/23 16:37	08/19/23 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/15/23 16:37	08/19/23 03:35	1
o-Terphenyl	98		70 - 130				08/15/23 16:37	08/19/23 03:35	1

Method: EPA 300.0 - Anions, Ion C	hromatography	- Soluble						
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4	5.03		mg/Kg			08/09/23 17:55	1

Job ID: 890-5037-1

Matrix: Solid

SDG: Lea County NM

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-13

08/14/23 15:21

Lab Sample ID: 890-5037-14

Client Sample ID: PH05

Date Collected: 08/03/23 12:50 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	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/12/23 14:59	08/14/23 04:46	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/12/23 14:59	08/14/23 04:46	1
Method: TAL SOP Total BTEX	- Total BTFX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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	ma/Ka			08/21/23 11:18	1

0.00402

mg/Kg

<0.00402 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 01:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 01:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 01:43	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:37	08/19/23 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/15/23 16:37	08/19/23 01:43	1
o-Terphenyl	80		70 - 130				08/15/23 16:37	08/19/23 01:43	1

Method: EPA 300.0 - Anions, Ion Ch	hromatograph	ny - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.00		mg/Kg			08/09/23 18:02	1

Client Sample ID: PH05

Date Collected: 08/03/23 13:00

Date Received: 08/04/23 16:05

Sample Depth: 2

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

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Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Client Sample ID: PH05

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

Sample Depth: 2

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

Lab Sample ID: 890-5037-14

Lab Sample ID: 890-5037-15

Matrix: Solid

Matrix: Solid

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

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00404 U 0.00404 08/14/23 15:21 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Dil Fac Result Qualifier RL MDL Unit D Prepared Analyzed Total TPH <50.4 U 50.4 mg/Kg 08/21/23 11:18

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Unit D Analyte RL Prepared Analyzed Dil Fac <50.4 U 50.4 08/15/23 16:37 08/19/23 02:06 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.4 U 50.4 mg/Kg 08/15/23 16:37 08/19/23 02:06 C10-C28) 08/15/23 16:37 OII Range Organics (Over C28-C36) <50.4 U 50.4 mg/Kg 08/19/23 02:06 Total TPH <50.4 U 50.4 08/15/23 16:37 08/19/23 02:06 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 1-Chlorooctane 101 08/15/23 16:37 08/19/23 02:06 o-Terphenyl 80 70 - 130 08/15/23 16:37 08/19/23 02:06

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 5.02 08/09/23 18:22 Chloride 41.1 mg/Kg

Client Sample ID: PH05 Date Collected: 08/03/23 13:10

Date Received: 08/04/23 16:05

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/12/23 14:59	08/14/23 05:37	1
1,4-Difluorobenzene (Surr)	82		70 - 130				08/12/23 14:59	08/14/23 05:37	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403		0.00403		mg/Kg			08/14/23 15:21	

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Client Sample ID: PH05

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

Sample Depth: 4

Lab Sample ID: 890-5037-15

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	137		50.3		mg/Kg			08/21/23 11:18	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 03:59	1
Diesel Range Organics (Over C10-C28)	137		50.3		mg/Kg		08/15/23 16:37	08/19/23 03:59	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 03:59	1
Total TPH	137		50.3		mg/Kg		08/15/23 16:37	08/19/23 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/15/23 16:37	08/19/23 03:59	1
o-Terphenyl	78		70 - 130				08/15/23 16:37	08/19/23 03:59	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		4.99		mg/Kg			08/09/23 18:29	

Lab Sample ID: 890-5037-16 **Client Sample ID: PH06** Matrix: Solid

Date Collected: 08/03/23 13:20

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		08/12/23 14:59	08/14/23 06:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				08/12/23 14:59	08/14/23 06:03	1
1,4-Difluorobenzene (Surr)	83		70 - 130				08/12/23 14:59	08/14/23 06:03	1
Analyte Total BTEX	Result < 0.00396	Qualifier U		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 15:21	Dil Fac
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)						
•		ics (DRO) (G	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Die		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/21/23 11:18	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Di	Result <50.2	Qualifier Unics (DRO)			mg/Kg	<u>D</u>		08/21/23 11:18	1
Method: SW846 8015 NM - Die Analyte Total TPH	Result <50.2	Qualifier U				<u>D</u>	Prepared Prepared		Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Di	Result <50.2	Qualifier Unics (DRO) Qualifier	RL 50.2		mg/Kg			08/21/23 11:18	1
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics	Result Siesel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.2 (GC)		mg/Kg		Prepared	08/21/23 11:18 Analyzed	1

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-16

Client Sample ID: PH06

Date Collected: 08/03/23 13:20 Date Received: 08/04/23 16:05

Sample Depth: 0.5

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Method: SW846 8015B N	M - Diesel Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/15/23 16:37	08/19/23 02:29	1
o-Terphenyl	98		70 - 130				08/15/23 16:37	08/19/23 02:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit RLD Prepared Analyzed Dil Fac Chloride 75.4 5.00 mg/Kg 08/09/23 18:35

Client Sample ID: PH06 Lab Sample ID: 890-5037-17 **Matrix: Solid**

Date Collected: 08/03/23 13:30 Date Received: 08/04/23 16:05

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 06:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				08/12/23 14:59	08/14/23 06:29	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/12/23 14:59	08/14/23 06:29	1

Method: TAL SOP Total BTEX - Total	I BTEX Calc	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/14/23 15:21	1

Method: SW846 8015 NM - Diesel Range	Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U —	50.2		mg/Kg			08/21/23 11:18	1

Total TPH —	<50.2	U	50.2		mg/Kg			08/21/23 11:18	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
Total TPH	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/15/23 16:37	08/19/23 02:51	1
o-Terphenyl	87		70 - 130				08/15/23 16:37	08/19/23 02:51	1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

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

Client Sample ID: PH06 Lab Sample ID: 890-5037-17 Matrix: Solid

Date Collected: 08/03/23 13:30 Date Received: 08/04/23 16:05

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.0		4.96		mg/Kg			08/09/23 18:42	1

Client Sample ID: PH06 Lab Sample ID: 890-5037-18

Date Collected: 08/03/23 13:40 Date Received: 08/04/23 16:05

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:59	08/14/23 06:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				08/12/23 14:59	08/14/23 06:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/12/23 14:59	08/14/23 06:55	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	П	0.00400		mg/Kg		-	08/14/23 15:21	

 Method: SW846 8015 NM - Diesel F	Range Organi	cs (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL Unit		D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/l	(g			08/21/23 11:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
Total TPH	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				08/15/23 16:37	08/19/23 03:13	1
o-Terphenyl	97		70 - 130				08/15/23 16:37	08/19/23 03:13	1

Method: EPA 300.0 - Anions, Ion C	hromatograph	y - Soluble							
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.2		4.97		mg/Kg			08/09/23 18:48	1

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Job ID: 890-5037-1

Surrogate Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5037-1	PH01	112	87	
890-5037-1 MS	PH01	106	86	
890-5037-1 MSD	PH01	90	69 S1-	
890-5037-2	PH01	127	91	
890-5037-3	PH01	123	72	
890-5037-4	PH02	114	81	
890-5037-5	PH02	131 S1+	85	
890-5037-6	PH02	140 S1+	102	
890-5037-7	PH03	103	89	
890-5037-8	PH03	111	75	
890-5037-9	PH03	130	119	
890-5037-10	PH04	106	114	
890-5037-11	PH04	150 S1+	129	
890-5037-12	PH04	137 S1+	94	
890-5037-13	PH05	98	72	
890-5037-14	PH05	131 S1+	94	
890-5037-15	PH05	124	82	
890-5037-16	PH06	123	83	
890-5037-17	PH06	131 S1+	77	
890-5037-18	PH06	146 S1+	98	
LCS 880-60013/1-A	Lab Control Sample	92	69 S1-	
LCSD 880-60013/2-A	Lab Control Sample Dup	96	90	
MB 880-59996/5-A	Method Blank	53 S1-	70	
MB 880-60013/5-A	Method Blank	54 S1-	81	

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

DFBZ = 1,4-Difluorobenzene (Surr)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-5037-1	PH01	115	94	
390-5037-1 MS	PH01	123	92	
390-5037-1 MSD	PH01	122	90	
390-5037-2	PH01	110	89	
390-5037-3	PH01	109	88	
390-5037-4	PH02	118	94	
390-5037-5	PH02	141 S1+	109	
390-5037-6	PH02	125	100	
390-5037-7	PH03	122	96	
390-5037-8	PH03	120	95	
390-5037-9	PH03	146 S1+	114	
390-5037-10	PH04	132 S1+	105	
390-5037-11	PH04	130	103	
390-5037-12	PH04	126	98	
390-5037-13	PH05	100	80	

Surrogate Summary

Job ID: 890-5037-1 Client: Etech Environmental & Safety Solutions Project/Site: WEU GM Battery SDG: Lea County NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5037-14	PH05	101	80	
890-5037-15	PH05	100	78	
890-5037-16	PH06	121	98	
890-5037-17	PH06	110	87	
890-5037-18	PH06	122	97	
LCS 880-60321/2-A	Lab Control Sample	121	103	
LCSD 880-60321/3-A	Lab Control Sample Dup	125	104	
MB 880-60321/1-A	Method Blank	157 S1+	130	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Analysis Batch: 60005

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59996

	MB	MB							
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

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130	08/11/23 17:4	3 08/13/23 08:33	1
1,4-Difluorobenzene (Surr)	70		70 - 130	08/11/23 17:4	3 08/13/23 08:33	1

Lab Sample ID: MB 880-60013/5-A

Matrix: Solid

Analysis Batch: 60005

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

Prep Batch: 60013

Analyte	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
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

MB 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
1,4-Difluorobenzene (Surr)	81		70 - 130	08/12/23 14:59	08/13/23 22:02	1

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

Matrix: Solid

Analysis Batch: 60005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 60013

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %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 0.200 m-Xylene & p-Xylene 0.2295 mg/Kg 115 70 - 130 0.100 0.1158 70 - 130 o-Xylene mg/Kg 116

LCS LCS

Surrogate	%Recovery Qualifi	er 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

Analyte

Benzene

Analysis Batch: 60005

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

%Rec

118

Prep Batch: 60013

RPD %Rec Limits **RPD** Limit

70 - 130

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LCSD LCSD

0.1184

Result Qualifier

Unit

mg/Kg

Spike

Added

0.100

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: LCSD 880-60013/2-A

Matrix: Solid

Analysis Batch: 60005

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60013

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

LCSD LCSD

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

Lab Sample ID: 890-5037-1 MS

Matrix: Solid

Analysis Batch: 60005

Client Sample ID: PH01 Prep Type: Total/NA

Prep Batch: 60013

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

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1.4-Difluorobenzene (Surr)	86	70 - 130

Lab Sample ID: 890-5037-1 MSD

Matrix: Solid

Analysis Batch: 60005

Client Sample ID: PH01

Prep Type: Total/NA

Prep Batch: 60013

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

MSD MSD

MD MD

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

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

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

Matrix: Solid

Analysis Batch: 60520

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

Prep Batch: 60321

	IVID	IAID						
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								

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: MB 880-60321/1-A **Matrix: Solid**

Analysis Batch: 60520

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60321

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

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

Matrix: Solid

Analysis Batch: 60520

	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
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Prep Type: Total/NA

Prep Batch: 60321

Prep Batch: 60321

-	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)									

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

Lab Sample ID: 890-5037-1 MS

Matrix: Solid

Surrogate 1-Chlorooctane

Analysis Batch: 60520

Client Sample ID: PH01	
Prep Type: Total/NA	

Prep Batch: 60321

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

MS	MS	
%Recovery	Qualifier	Limits
123		70 - 130

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

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

Lab Sample ID: 890-5037-1 MS **Client Sample ID: PH01 Matrix: Solid**

Prep Type: Total/NA Analysis Batch: 60520 Prep Batch: 60321

MS MS

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

Lab Sample ID: 890-5037-1 MSD Client Sample ID: PH01

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 60520** Prep Batch: 60321

MSD MSD Sample Sample Spike %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics <50.3 U 993 875.1 mg/Kg 85 70 - 130 0 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.3 U 993 944.8 mg/Kg 94 70 - 130 20

C10-C28)

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

Method: 300.0 - Anions, Ion Chromatography

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

Analysis Batch: 59750

мв мв

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

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

Analysis Batch: 59750

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

Lab Sample ID: LCSD 880-59538/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 59750

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

Lab Sample ID: 890-5037-1 MS Client Sample ID: PH01 Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 59750

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

Eurofins Carlsbad

Prep Type: Soluble

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5037-1 MSD **Client Sample ID: PH01 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59750

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	83.0	F1	250	350.8		mg/Kg		107	90 - 110	2	20	

Lab Sample ID: 890-5037-11 MS **Client Sample ID: PH04 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59750

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

Lab Sample ID: 890-5037-11 MSD **Client Sample ID: PH04 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59750

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

GC VOA

Prep Batch: 59996

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

Analysis Batch: 60005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	8021B	60013
890-5037-2	PH01	Total/NA	Solid	8021B	60013
890-5037-3	PH01	Total/NA	Solid	8021B	60013
890-5037-4	PH02	Total/NA	Solid	8021B	60013
890-5037-5	PH02	Total/NA	Solid	8021B	60013
890-5037-6	PH02	Total/NA	Solid	8021B	60013
890-5037-7	PH03	Total/NA	Solid	8021B	60013
890-5037-8	PH03	Total/NA	Solid	8021B	60013
890-5037-9	PH03	Total/NA	Solid	8021B	60013
890-5037-10	PH04	Total/NA	Solid	8021B	60013
890-5037-11	PH04	Total/NA	Solid	8021B	60013
890-5037-12	PH04	Total/NA	Solid	8021B	60013
890-5037-13	PH05	Total/NA	Solid	8021B	60013
890-5037-14	PH05	Total/NA	Solid	8021B	60013
890-5037-15	PH05	Total/NA	Solid	8021B	60013
890-5037-16	PH06	Total/NA	Solid	8021B	60013
890-5037-17	PH06	Total/NA	Solid	8021B	60013
890-5037-18	PH06	Total/NA	Solid	8021B	60013
MB 880-59996/5-A	Method Blank	Total/NA	Solid	8021B	59996
MB 880-60013/5-A	Method Blank	Total/NA	Solid	8021B	60013
LCS 880-60013/1-A	Lab Control Sample	Total/NA	Solid	8021B	60013
LCSD 880-60013/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60013
890-5037-1 MS	PH01	Total/NA	Solid	8021B	60013
890-5037-1 MSD	PH01	Total/NA	Solid	8021B	60013

Prep Batch: 60013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	5035	
390-5037-2	PH01	Total/NA	Solid	5035	
890-5037-3	PH01	Total/NA	Solid	5035	
890-5037-4	PH02	Total/NA	Solid	5035	
890-5037-5	PH02	Total/NA	Solid	5035	
890-5037-6	PH02	Total/NA	Solid	5035	
890-5037-7	PH03	Total/NA	Solid	5035	
890-5037-8	PH03	Total/NA	Solid	5035	
890-5037-9	PH03	Total/NA	Solid	5035	
890-5037-10	PH04	Total/NA	Solid	5035	
390-5037-11	PH04	Total/NA	Solid	5035	
390-5037-12	PH04	Total/NA	Solid	5035	
390-5037-13	PH05	Total/NA	Solid	5035	
890-5037-14	PH05	Total/NA	Solid	5035	
890-5037-15	PH05	Total/NA	Solid	5035	
890-5037-16	PH06	Total/NA	Solid	5035	
890-5037-17	PH06	Total/NA	Solid	5035	
890-5037-18	PH06	Total/NA	Solid	5035	
MB 880-60013/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60013/1-A	Lab Control Sample	Total/NA	Solid	5035	

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 60013 (Continued)

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

Analysis Batch: 60136

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

GC Semi VOA

Prep Batch: 60321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-5037-1	PH01	Total/NA	Solid	8015NM Prep	
890-5037-2	PH01	Total/NA	Solid	8015NM Prep	
890-5037-3	PH01	Total/NA	Solid	8015NM Prep	
390-5037-4	PH02	Total/NA	Solid	8015NM Prep	
390-5037-5	PH02	Total/NA	Solid	8015NM Prep	
390-5037-6	PH02	Total/NA	Solid	8015NM Prep	
390-5037-7	PH03	Total/NA	Solid	8015NM Prep	
390-5037-8	PH03	Total/NA	Solid	8015NM Prep	
390-5037-9	PH03	Total/NA	Solid	8015NM Prep	
90-5037-10	PH04	Total/NA	Solid	8015NM Prep	
390-5037-11	PH04	Total/NA	Solid	8015NM Prep	
390-5037-12	PH04	Total/NA	Solid	8015NM Prep	
90-5037-13	PH05	Total/NA	Solid	8015NM Prep	
390-5037-14	PH05	Total/NA	Solid	8015NM Prep	
390-5037-15	PH05	Total/NA	Solid	8015NM Prep	
390-5037-16	PH06	Total/NA	Solid	8015NM Prep	
390-5037-17	PH06	Total/NA	Solid	8015NM Prep	
390-5037-18	PH06	Total/NA	Solid	8015NM Prep	
MB 880-60321/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
.CS 880-60321/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
CSD 880-60321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
390-5037-1 MS	PH01	Total/NA	Solid	8015NM Prep	

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 60321 (Continued)

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

Analysis Batch: 60520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	8015B NM	60321
890-5037-2	PH01	Total/NA	Solid	8015B NM	60321
890-5037-3	PH01	Total/NA	Solid	8015B NM	60321
890-5037-4	PH02	Total/NA	Solid	8015B NM	60321
890-5037-5	PH02	Total/NA	Solid	8015B NM	60321
890-5037-6	PH02	Total/NA	Solid	8015B NM	60321
890-5037-7	PH03	Total/NA	Solid	8015B NM	60321
890-5037-8	PH03	Total/NA	Solid	8015B NM	60321
890-5037-9	PH03	Total/NA	Solid	8015B NM	60321
890-5037-10	PH04	Total/NA	Solid	8015B NM	60321
890-5037-11	PH04	Total/NA	Solid	8015B NM	60321
890-5037-12	PH04	Total/NA	Solid	8015B NM	60321
890-5037-13	PH05	Total/NA	Solid	8015B NM	60321
890-5037-14	PH05	Total/NA	Solid	8015B NM	60321
890-5037-15	PH05	Total/NA	Solid	8015B NM	60321
890-5037-16	PH06	Total/NA	Solid	8015B NM	60321
890-5037-17	PH06	Total/NA	Solid	8015B NM	60321
890-5037-18	PH06	Total/NA	Solid	8015B NM	60321
MB 880-60321/1-A	Method Blank	Total/NA	Solid	8015B NM	60321
LCS 880-60321/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60321
LCSD 880-60321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60321
890-5037-1 MS	PH01	Total/NA	Solid	8015B NM	60321
890-5037-1 MSD	PH01	Total/NA	Solid	8015B NM	60321

Analysis Batch: 60712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Total/NA	Solid	8015 NM	_
890-5037-2	PH01	Total/NA	Solid	8015 NM	
890-5037-3	PH01	Total/NA	Solid	8015 NM	
390-5037-4	PH02	Total/NA	Solid	8015 NM	
890-5037-5	PH02	Total/NA	Solid	8015 NM	
890-5037-6	PH02	Total/NA	Solid	8015 NM	
890-5037-7	PH03	Total/NA	Solid	8015 NM	
390-5037-8	PH03	Total/NA	Solid	8015 NM	
890-5037-9	PH03	Total/NA	Solid	8015 NM	
890-5037-10	PH04	Total/NA	Solid	8015 NM	
390-5037-11	PH04	Total/NA	Solid	8015 NM	
890-5037-12	PH04	Total/NA	Solid	8015 NM	
390-5037-13	PH05	Total/NA	Solid	8015 NM	
890-5037-14	PH05	Total/NA	Solid	8015 NM	
890-5037-15	PH05	Total/NA	Solid	8015 NM	
890-5037-16	PH06	Total/NA	Solid	8015 NM	
390-5037-17	PH06	Total/NA	Solid	8015 NM	
390-5037-18	PH06	Total/NA	Solid	8015 NM	

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

Job ID: 890-5037-1

SDG: Lea County NM

HPLC/IC

Leach Batch: 59538

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

Analysis Batch: 59750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5037-1	PH01	Soluble	Solid	300.0	59538
890-5037-2	PH01	Soluble	Solid	300.0	59538
890-5037-3	PH01	Soluble	Solid	300.0	59538
890-5037-4	PH02	Soluble	Solid	300.0	59538
890-5037-5	PH02	Soluble	Solid	300.0	59538
890-5037-6	PH02	Soluble	Solid	300.0	59538
890-5037-7	PH03	Soluble	Solid	300.0	59538
890-5037-8	PH03	Soluble	Solid	300.0	59538
890-5037-9	PH03	Soluble	Solid	300.0	59538
890-5037-10	PH04	Soluble	Solid	300.0	59538
890-5037-11	PH04	Soluble	Solid	300.0	59538
890-5037-12	PH04	Soluble	Solid	300.0	59538
890-5037-13	PH05	Soluble	Solid	300.0	59538
890-5037-14	PH05	Soluble	Solid	300.0	59538
890-5037-15	PH05	Soluble	Solid	300.0	59538
890-5037-16	PH06	Soluble	Solid	300.0	59538
890-5037-17	PH06	Soluble	Solid	300.0	59538
890-5037-18	PH06	Soluble	Solid	300.0	59538
MB 880-59538/1-A	Method Blank	Soluble	Solid	300.0	59538
LCS 880-59538/2-A	Lab Control Sample	Soluble	Solid	300.0	59538
LCSD 880-59538/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59538
890-5037-1 MS	PH01	Soluble	Solid	300.0	59538
890-5037-1 MSD	PH01	Soluble	Solid	300.0	59538

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Released to Imaging: 1/23/2024 8:13:19 AM

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 59750 (Continued)

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-1

Client Sample ID: PH01

Date Collected: 08/03/23 11:30 Date Received: 08/04/23 16:05 Matrix: Solid

Job ID: 890-5037-1

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	Prep	5035			4.96 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 22:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 20:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:12	CH	EET MID

Lab Sample ID: 890-5037-2

Date Collected: 08/03/23 11:35

Date Received: 08/04/23 16:05

Client Sample ID: PH01

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

Lab Sample ID: 890-5037-3

Matrix: Solid

Client Sample ID: PH01 Date Collected: 08/03/23 11:40

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			5.01 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 23:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:35	CH	EET MID

Client Sample ID: PH02

Date Collected: 08/03/23 11:45

Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-4

Matrix: Solid

	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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 23:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-4

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

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

	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			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:40	CH	EET MID

Client Sample ID: PH02 Lab Sample ID: 890-5037-5

Date Collected: 08/03/23 11:50 **Matrix: Solid** Date Received: 08/04/23 16:05

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.05 g 5 mL 60013 08/12/23 14:59 EL **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 60005 08/14/23 00:09 SM **EET MID** 1 Total/NA Total BTEX Analysis 1 60136 08/14/23 15:21 SM **EET MID** Total/NA Analysis 8015 NM 60712 08/21/23 11:18 SM **EET MID** Total/NA Prep 8015NM Prep 10.00 g 10 mL 60321 08/15/23 16:37 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 60520 08/18/23 23:04 SM **EET MID** Soluble Leach DI Leach 4.96 g 50 mL 59538 08/07/23 15:08 KS EET MID Soluble Analysis 300.0 1 59750 08/09/23 16:46 СН **EET MID**

Client Sample ID: PH02 Lab Sample ID: 890-5037-6

Date Collected: 08/03/23 11:55 **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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 00:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 23:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:03	CH	EET MID

Client Sample ID: PH03 Lab Sample ID: 890-5037-7

Date Collected: 08/03/23 12:00 **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			4.95 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 00:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 23:49	SM	EET MID

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Client Sample ID: PH03

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

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:09	CH	EET MID

Client Sample ID: PH03 Lab Sample ID: 890-5037-8

Date Collected: 08/03/23 12:05 **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			4.99 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 01:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 00:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59538	08/07/23 15:08	KS	EET MIC
Soluble	Analysis	300.0		1			59750	08/09/23 17:15	CH	EET MID

Client Sample ID: PH03 Lab Sample ID: 890-5037-9

Date Collected: 08/03/23 12:10 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			4.97 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 01:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 00:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:22	CH	EET MID

Client Sample ID: PH04 Lab Sample ID: 890-5037-10 Date Collected: 08/03/23 12:20

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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 02:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 04:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:28	CH	EET MID

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Matrix: Solid

Matrix: Solid

Released to Imaging: 1/23/2024 8:13:19 AM

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-11

Client Sample ID: PH04

Date Received: 08/04/23 16:05

Date Collected: 08/03/23 12:30

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Amount Amount Number or Analyzed Analyst Factor Lab Prep Total/NA 5035 5.01 g 5 mL 60013 08/12/23 14:59 EL **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 60005 08/14/23 03:56 SM EET MID Total/NA Analysis Total BTEX 60136 08/14/23 15:21 SM **EET MID** Total/NA Analysis 8015 NM 1 60712 08/21/23 11:18 SM **EET MID** 10 mL 60321 08/15/23 16:37 TKC EET MID Total/NA 8015NM Prep 9.91 g Prep Total/NA Analysis 8015B NM 1 uL 1 uL 60520 08/19/23 00:57 SM **EET MID** 5.04 g 59538 08/07/23 15:08 KS Soluble DI Leach 50 ml FFT MID Leach Soluble Analysis 300.0 59750 08/09/23 17:35 СН **EET MID**

Client Sample ID: PH04 Lab Sample ID: 890-5037-12

Date Collected: 08/03/23 12:40 **Matrix: Solid**

Date Received: 08/04/23 16:05

Dil Final Batch Batch Initial Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Lab Run **Analyst** Total/NA Prep 5035 5.05 g 5 mL 60013 08/12/23 14:59 EL EET MID 8021B Total/NA Analysis 1 5 mL 5 mL 60005 08/14/23 04:21 SM **EET MID** Total/NA Total BTEX Analysis 60136 08/14/23 15:21 SM **EET MID** 1 Total/NA Analysis 8015 NM 60712 08/21/23 11:18 SM **EET MID** Total/NA 8015NM Prep 10.06 g 10 mL 60321 08/15/23 16:37 TKC **EET MID** Prep Total/NA Analysis 8015B NM 1 uL 1 uL 60520 08/19/23 03:35 SM **EET MID** Soluble 4.97 g DI Leach 50 mL 59538 08/07/23 15:08 KS **EET MID**

Client Sample ID: PH05 Lab Sample ID: 890-5037-13

59750

08/09/23 17:55

СН

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

Soluble

Leach

Analysis

300.0

	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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 04:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:02	CH	EET MID

Lab Sample ID: 890-5037-14 **Client Sample ID: PH05** Date Collected: 08/03/23 13:00 **Matrix: Solid**

Date Received: 08/04/23 16:05

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

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Matrix: Solid

EET MID

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-14

Client Sample ID: PH05

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

Job ID: 890-5037-1

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			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 02:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:22	CH	EET MID

Lab Sample ID: 890-5037-15

Matrix: Solid

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

Client Sample ID: PH05

	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	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 05:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 03:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:29	CH	EET MID

Client Sample ID: PH06 Lab Sample ID: 890-5037-16

Date Collected: 08/03/23 13:20 **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			5.05 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 06:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 02:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:35	CH	EET MID

Lab Sample ID: 890-5037-17 **Client Sample ID: PH06** Date Collected: 08/03/23 13:30 **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			5.01 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 06:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.97 g 1 uL	10 mL 1 uL	60321 60520	08/15/23 16:37 08/19/23 02:51	TKC SM	EET MID EET MID

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Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-17

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Client Sample ID: PH06 Date Collected: 08/03/23 13:30

Date Received: 08/04/23 16:05

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
P	гер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
S	oluble	Leach	DI Leach			5.04 g	50 mL	59538	08/07/23 15:08	KS	EET MID
s	oluble	Analysis	300.0		1			59750	08/09/23 18:42	CH	EET MID

Client Sample ID: PH06 Lab Sample ID: 890-5037-18

Date Collected: 08/03/23 13:40 **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			5.00 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 06:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 03:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:48	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5037-1 Project/Site: WEU GM Battery SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	uthority		Identification Number	Expiration Date		
Texas		NELAP	T104704400-23-26	06-30-24		
The following analytes the agency does not of	•	, but the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for whic		
Analysis Method	Prep Method	Matrix	Analyte			
,			7 trialy to			
8015 NM		Solid	Total TPH			
	8015NM Prep	Solid Solid				

Method Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Laboratory

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
3015B 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
015NM Prep	Microextraction	SW846	EET MID
I 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

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Sample Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

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

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Work Order No:

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Texas 79711 7-4152 WEU GM Batte 18341		Turn	City, Stat	te ZIP:	vn.con	n, jose	eph@e	eteche	any cor									ovel II	ı 🗆 F	et/liet F	торг	D Level IV									
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Work Order	No:	

Project Manager:	Erick I-	lerrera	-			Bill to: (if	differen	t)												٧	ork C	Order	Comments			
Company Name:	Etech I	Environm	nental &	Safety Solu	utions, Inc.	Compan	y Name	9:									Pro	gram:	UST/P	ST□	PRP	Brov	vnfields R	RC Superfund		
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City, State ZIP:	1	d, Texas				City, Sta	te ZIP:										Rep	orting:	Level I	Le	vel III	PS	T/UST TR	RP 📗 Level IV 🗍		
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Cooler Custody Sea	ls:	Yes Ne	N/A	Correction F	agtor:			P.	욷	모												1	Na ₂ S ₂ O ₃ : Na	ISO ₃		
Sample Custody Se	als:	Yes No	N/A	Temperatur	e Reading.				ME	WET	- EPA							1			1		Zn Acetate+			
Total Containers:				Corrected T	emperature:				EPA	EPA	<u></u>								1				NaOH+Asco	rbic Acid: SAPC		
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PHO)5		s	8/3/2023	13:10	4'	G	1	Х	Х	Х															
PHO	06		s	8/3/2023	13:20	0.5'	G	1	Х	Х	Х															
PHO	06		S	8/3/2023	13:30	2'	G	1	Х	Х	Х										<u> </u>					
PHO)6		S	8/3/2023	13:40	4'	G	1	Х	Х	Х															
Total 200.7 / 6 Circle Method(s) a	nd Metal		analyze	ed	TCLP / S	PLP 601	0: 8R	CRA	Sb A	s Ba	Be (Cd Cr	Со	Cu Pl	Mn	Мо	Ni Se	Ag	TIU		Hg:	1631	la Sr Tl Sn / 245.1 / 747			
Notice: Signature of this of service. Eurofins Xen of Eurofins Xenco. A mi	co will be i	liable only i	or the cos	t of samples ar	nd shall not assu	ıme any re	sponsibi	lity for a	ny losse	s or ex	penses	incurre	d by the	client i	f such k	osses a	re due	to circu	mstance	es beyo	nd the	ontrol	ed.			
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Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5037-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 5037 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	

Euronnis Carisbau

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Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5037-1

SDG Number: Lea County NM

List Source: Eurofins Midland

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

Login Number: 5037 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	
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 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 <6 mm (1/4").	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

WEU GM Battery SDG NUMBER Lea County NM

JOB NUMBER

890-5043-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization

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

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

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

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions

Qualifier Description

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

Job ID: 890-5043-1

Qualifiers

GC VOA Qualifier

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

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

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

TNTC Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions

Job ID: 890-5043-1 Project/Site: WEU GM Battery SDG: Lea County NM

Job ID: 890-5043-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5043-1

Receipt

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

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-60005/2), (MB 880-59954/5-A) and (MB 880-59996/5-A). Evidence of matrix interferences is not obvious.

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

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

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

GC Semi VOA

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

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: FS01 (890-5043-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60422/20), (CCV 880-60422/31), (CCV 880-60422/5), (LCS 880-60317/2-A) and (LCSD 880-60317/3-A). Evidence of matrix interferences is not obvious.

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

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

HPLC/IC

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

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5043-1

Client Sample ID: FS01 Date Collected: 08/03/23 10:00

Date Received: 08/04/23 16:05

Matrix: Solid

Job ID: 890-5043-1

SDG: Lea County NM

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 17:43	08/13/23 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/11/23 17:43	08/13/23 17:13	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/11/23 17:43	08/13/23 17:13	1
Method: SW846 8015 NM - Diese			•			_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
						=	Тторигои		Dil Fac
Total TPH	331		50.4		mg/Kg	=		08/18/23 10:45	Dil Fac
Method: SW846 8015B NM - Dies	sel Range Orga		(GC)			<u> </u>	<u> </u>	08/18/23 10:45	1
Method: SW846 8015B NM - Dies Analyte	sel Range Orga Result	Qualifier	(GC)	MDL			Prepared	08/18/23 10:45 Analyzed	
Method: SW846 8015B NM - Dies	sel Range Orga	Qualifier	(GC)	MDL		<u> </u>	<u> </u>	08/18/23 10:45	1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	Qualifier	(GC)	MDL	Unit	<u> </u>	Prepared	08/18/23 10:45 Analyzed	1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result <50.4	Qualifier U	(GC) RL 50.4	MDL	Unit mg/Kg	<u> </u>	Prepared 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 18:37	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

142 S1+

118

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

70 - 130

70 - 130

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

Client Sample ID: FS02

Matrix: Solid

08/17/23 18:37

08/17/23 18:37

Lab Sample ID: 890-5043-2

08/15/23 16:33

08/15/23 16:33

Sample Depth: 3

1-Chlorooctane

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/23 17:43	08/13/23 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/11/23 17:43	08/13/23 17:38	1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Lab Sample ID: 890-5043-2

Client Sample ID: FS02

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

Sample Depth: 3

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	83	70 - 130	08/11/23 17:43	08/13/23 17:38	1

Method: TAL SOP	Total RTFY - Total	RTFY Calculation
MELITOU. TAL JOI	TOTAL DIEX - TOTAL	DIEA Calculation

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396 U	0.00396	ma/Ka			08/14/23 15:21	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	382	50.2	mg/Kg			08/18/23 10:45	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: FS03 Lab Sample ID: 890-5043-3

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

Sample Depth: 3

Mothodi CIMOAC 0004D	Valatila Organia Campaunda //	

Method: SW846 8021B - Volat	Wethod: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/23 17:43	08/13/23 18:04	1	
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/23 17:43	08/13/23 18:04	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/23 17:43	08/13/23 18:04	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/11/23 17:43	08/13/23 18:04	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/23 17:43	08/13/23 18:04	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/23 17:43	08/13/23 18:04	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	102		70 - 130				08/11/23 17:43	08/13/23 18:04	1	
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				08/11/23 17:43	08/13/23 18:04	1	

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/23 15:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (G
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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110		49.9	mg/Kg			08/18/23 10:45	1

Eurofins Carlsbad

3

4

6

8

46

13

Matrix: Solid

Job ID: 890-5043-1

Matrix: Solid

SDG: Lea County NM

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5043-3

08/09/23 15:36

Lab Sample ID: 890-5043-4

Matrix: Solid

Client Sample ID: FS03

Date Collected: 08/03/23 10:10

Date Received: 08/04/23 16:05

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:33	08/17/23 19:20	1
Diesel Range Organics (Over C10-C28)	110		49.9		mg/Kg		08/15/23 16:33	08/17/23 19:20	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:33	08/17/23 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/15/23 16:33	08/17/23 19:20	1
o-Terphenyl	94		70 - 130				08/15/23 16:33	08/17/23 19:20	1

5.04

mg/Kg

813

Client Sample ID: FS04

Date Collected: 08/03/23 10:15

Date Received: 08/04/23 16:05

Sample Depth: 3

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 17:43	08/13/23 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/11/23 17:43	08/13/23 18:30	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/11/23 17:43	08/13/23 18:30	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 15:21	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1250		49.7		mg/Kg			08/18/23 10:45	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/15/23 16:33	08/17/23 19:41	1
Diesel Range Organics (Over C10-C28)	1250		49.7		mg/Kg		08/15/23 16:33	08/17/23 19:41	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/15/23 16:33	08/17/23 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/15/23 16:33	08/17/23 19:41	1

Client Sample Results

Client: Etech Environmental & Safety Solutions

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

Project/Site: WEU GM Battery

Lab Sample ID: 890-5043-4

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

Client Sample ID: FS04

Matrix: Solid

Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1010		4.98		mg/Kg			08/09/23 15:53	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5043-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

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

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

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

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Etech Environmental & Safety Solutions

Job ID: 890-5043-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59954/5-A

Analysis Batch: 60005

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59954

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

мв мв

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

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59996

Matrix: Solid Analysis Batch: 60005

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

мв мв

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

мв мв

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: LCS 880-59996/1-A

Matrix: Solid

Analysis Batch: 60005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 59996

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

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	110	70 - 130
1.4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: LCSD 880-59996/2-A

Matrix: Solid

Analysis Batch: 60005

Client Sample ID:	Lab Control Sample Dup
	Dren Times Tetal/NA

Prep Type: Total/NA

Prep Batch: 59996

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5043-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: LCSD 880-59996/2-A

Matrix: Solid Analysis Batch: 60005 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 59996

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

LCSD LCSD

Surrogate	%Recovery Qualit	fier Limits
4-Bromofluorobenzene (Surr)	87	70 - 130
1,4-Difluorobenzene (Surr)	78	70 - 130

Lab Sample ID: 880-31958-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 60005** Prep Batch: 59996

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

MS MS

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

Lab Sample ID: 880-31958-A-1-F MSD

Matrix: Solid

Analysis Batch: 60005

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 59996

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

MSD MSD

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

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

Lab Sample ID: MB 880-60317/1-A

Matrix: Solid

Analysis Batch: 60422

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

Prep Batch: 60317

MB MB Analyte Result Qualifier RL MDL Unit Prepared <50.0 U 50.0 08/15/23 16:33 08/17/23 10:56 Gasoline Range Organics mg/Kg (GRO)-C6-C10

Client: Etech Environmental & Safety Solutions

Job ID: 890-5043-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: MB 880-60317/1-A

Matrix: Solid

Analysis Batch: 60422

Analyte

C10-C28)

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60317

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

MB MB

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

Lab Sample ID: LCS 880-60317/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 60422

Prep Type: Total/NA

Prep Batch: 60317

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

LCS LCS

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

Lab Sample ID: LCSD 880-60317/3-A

Matrix: Solid

Analysis Batch: 60422

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60317

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

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

Lab Sample ID: 890-5035-A-1-D MS

Matrix: Solid

Analysis Batch: 60422

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 60317

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

C10-C28)

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5043-1

SDG: Lea County NM

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

Lab Sample ID: 890-5035-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 60422 Prep Type: Total/NA Prep Batch: 60317

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: FS03

Client Sample ID: FS03

Prep Type: Soluble

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.3	U	998	888.7		mg/Kg		85	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.3	U	998	1042		mg/Kg		104	70 - 130	3	20
C10 C20)											

Limits

C10-C28)

Surrogate

MSD MSD %Recovery Qualifier

70 - 130 1-Chlorooctane 128 o-Terphenyl 93 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59540/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

мв мв

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

Lab Sample ID: LCS 880-59540/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

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

Lab Sample ID: LCSD 880-59540/3-A

Matrix: Solid

Analysis Batch: 59747

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

Lab Sample ID: 890-5043-3 MS

Matrix: Solid

Analysis Batch: 59747

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	813		252	1064		ma/Ka		100	90 _ 110	

Lab Sample ID: 890-5043-3 MSD

Matrix: Solid

Analysis Batch: 59747											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	813		252	1065		ma/Ka		100	90 - 110		20

QC Association Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

GC VOA

Prep Batch: 59954

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

Prep Batch: 59996

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

Analysis Batch: 60005

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

Analysis Batch: 60135

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

GC Semi VOA

Prep Batch: 60317

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

Analysis Batch: 60422

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

QC Association Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5043-1 Project/Site: WEU GM Battery SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 60422 (Continued)

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

Analysis Batch: 60568

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

HPLC/IC

Leach Batch: 59540

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

Analysis Batch: 59747

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

Client: Etech Environmental & Safety Solutions

Prep

Analysis

Analysis

Leach

8015NM Prep

8015B NM

DI Leach

300.0

Project/Site: WEU GM Battery

Client Sample ID: FS01 Date Collected: 08/03/23 10:00 Date Received: 08/04/23 16:05

Lab Sample ID: 890-5043-1

Matrix: Solid

Job ID: 890-5043-1

SDG: Lea County NM

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59996	08/11/23 17:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 17:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60135	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60568	08/18/23 10:45	SM	EET MID

9.93 g

1 uL

5.05 g

60317

60422

59540

59747

10 mL

1 uL

50 mL

08/18/23 10:45 SM **EET MID** TKC EET MID 08/15/23 16:33 08/17/23 18:37 SM **EET MID** 08/07/23 15:13 KS FFT MID 08/09/23 15:08 СН **EET MID**

Client Sample ID: FS02

Total/NA

Total/NA

Soluble

Soluble

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

Matrix: Solid

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.05 g 5 mL 59996 08/11/23 17:43 EL EET MID Total/NA 8021B 08/13/23 17:38 Analysis 1 5 mL 5 mL 60005 SM **EET MID** Total/NA Total BTEX 60135 08/14/23 15:21 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 60568 08/18/23 10:45 SM **EET MID** Total/NA 60317 8015NM Prep 9.97 g 10 mL 08/15/23 16:33 TKC **EET MID** Prep Total/NA Analysis 8015B NM 1 uL 1 uL 60422 08/17/23 18:59 SM **EET MID** Soluble DI Leach 5.03 g 50 mL 59540 08/07/23 15:13 KS **EET MID** Leach Soluble Analysis 300.0 59747 08/09/23 15:13 СН **EET MID**

Client Sample ID: FS03

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

Lab Sample ID: 890-5043-3

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

Client Sample ID: FS04

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

Lab Sample ID: 890-5043-4

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

Eurofins Carlsbad

Matrix: Solid

Lab Chronicle

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Client Sample ID: FS04

Lab Sample ID: 890-5043-4

Matrix: Solid

Job ID: 890-5043-1

SDG: Lea County NM

Date Collected: 08/03/23 10:15 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			60568	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 19:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:53	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5043-1 Project/Site: WEU GM Battery SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NELAP ne following analytes are included in this report, but the laboratory is not cert agency does not offer certification.		T104704400-23-26	06-30-24
The following analytes	are included in this report, but	t the laboratory is not certific	ad by the governing authority. This list ma	av include analytes for
0 ,	• •	t the laboratory is not certific	ed by the governing authority. This list his	ay include analytes loi
,	fer certification.	,	Analyte	ay illoude allalytes for
the agency does not of	fer certification.	,	, , ,	ay include analytes loi

Method Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5043-1

SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3015B 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
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 GM Battery

Job ID: 890-5043-1

00.0.2.		
SDG: Lea	County	NM

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

Revised Date 06/25/2020 Rev 2020 2

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Xenco

eurofins	
	En

nvironment Testing

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 C	Order No:		

																				www	.xence	o.com	Jage	_'	of1	
Project Manager:	Erick H	errera				Bill to: (if	differen	t)												W	ork O	rder (Comments			
Company Name:	Etech E	nvironm	ental &	Safety Solu	itions, Inc.	Compan	y Name	e:									Prog	ram:	UST/P	ST	PRP[]	Brow	nfields∐ R	RC :	Superfund[
Address:	1300 W	/ County	Rd 100			Address	:												oject:							
City, State ZIP:	Midland	l, Texas	79711			Only) Charles and							Reporting: Level II							Level IV L						
Phone:	(281)77	7-4152			Email:	erick@e	eteche	n.con	ı, jose	ph@	etech	env.co	m				Deliverables: EDD ADaPT Other:									
Project Name:		WEU G	M Batte	erv	Turi	Around								ANAI	LYSIS	REC	UES	r					Prese	ervative	Codes	
Project Number:			8341		☑ Routine	☐ Rush	Rush Code											None: NO DI Water: I								
Project Location:	Lea	a County	, New N	/lexico	Due Date:	5 T/	AT												Cool: Cool MeOH: Me							
Sampler's Name:			Konan		TAT starts th	e day rece	ived by				。									ŀ			HCL: HC HNO ₃ : HN			
PO#:					the lab, if re	ceived by 4	ved by 4:30pm				1	1	1		•		H ₂ S0 ₄ : H ₂	Na	aOH: Na							
SAMPLE RECE	PT						No	Parameter	EPA METHOD 8021B	METHOD 8015M/D	ē			1111					WHA.	III.			H₃PO₄: HP			
Samples Received I						umo	FC	ara	ő	8				- IIII	1144				HIM				NaHSO₄: N			
Cooler Custody Sea						-0	.0	à	Ĕ	문	- EPA METHOD									1111			Na ₂ S ₂ O ₃ : Na		_	
Sample Custody Sea						5	8		M	ME	<u> </u>		890-5043 C				ain of Custody					-	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC			
Total Containers:				Corrected T	emperature:	5	4		e e	- EPA	E									i			NaOH+Asco	Ordic Ack	a: SAPC	
Sample Ide	ntification	n	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех	TPH-	CHLORIDE												Samp	ole Com	ments	
FSC	1		s	8/3/2023	10:00	3'	С	1	Х	Х	X									Ir	ncident l	ID:				
FSC	2		S	8/3/2023	10:05	3'	С	1	Х	Х	X								nAPP22			P22287	34147			
FSC	13		s	8/3/2023	10:10	3'	С	1	Х	Х	X															
FSC	14		s	8/3/2023	10:15	3'	С	1	Х	Х	X						_			<u> </u>						
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						100	2				-				_		_	-	-	-	├					
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																	<u> </u>	<u> </u>	1		<u> </u>					
Total 200.7 / 6 Circle Method(s) a	nd Metal(analyze	d	TCLP / S	PLP 601	10: 8R	CRA	Sb A	s Ba	Ве	Cd C	Co	Cu Pl	o Mn	Mo I	Vi Se	Ag	TIU		Hg:	1631 /	a Sr Tl Sr 245.1 / 747			
iotice: Signature of this f service. Eurofins Xen f Eurofins Xenco. A mi	co will be ii	able only f	or the cost	t of samples ar	d shall not ass	ume any re	sponsibil	ity for a	ny loss	es or ex	penses	Incurre	d by the	client i	f such lo	osses a	re due	to circu	mstance	s beyo	nd the c	ontrol	d.			
Relinquished by	ned by: (Signature) Received by: (Signature)						Date	/Time		R	elinqu	ished l	by: (Si	gnatu	gnature) Received by: (Signature)					re)	Date	e/Time				
- Pa	1 (108 C)						8.	45)3	14	05)														
	-			/	1							4														

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5043-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 5043 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: 1/23/2024 8:13:19 AM

2

3

4

5

0

8

10

4.0

13

14

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5043-1

SDG Number: Lea County NM

List Source: Eurofins Midland

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

Creator: Rodriguez, Leticia

Login Number: 5043

List Number: 2

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	N/A	

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

WEU GM Battery SDG NUMBER Lea County NM

JOB NUMBER

890-5040-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization

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

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

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

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

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

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Method Summary	16
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0	

Definitions/Glossary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

applicable.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.							
Example 2 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							

DFR Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number MQL Method Quantitation Limit

Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RFR Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

Job ID: 890-5040-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5040-1

Receipt

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

Receipt Exceptions

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

GC VOA

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

GC Semi VOA

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

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

HPLC/IC

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

Matrix: Solid

Lab Sample ID: 890-5040-1

Client Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

Client Sample ID: FS05

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

Sample Depth: 3

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/23 09:44	08/14/23 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/11/23 09:44	08/14/23 00:07	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/11/23 09:44	08/14/23 00:07	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/14/23 11:14	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	499		49.8		mg/Kg			08/09/23 18:21	1
- Method: SW846 8015B NM - Die:	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	49.8		mg/Kg		08/08/23 15:08	08/09/23 13:58	1
Diesel Range Organics (Over C10-C28)	499		49.8		mg/Kg		08/08/23 15:08	08/09/23 13:58	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/23 15:08	08/09/23 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/08/23 15:08	08/09/23 13:58	1
o-Terphenyl	83		70 - 130				08/08/23 15:08	08/09/23 13:58	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						

5.04

306

mg/Kg

Eurofins Carlsbad

08/09/23 14:56

Surrogate Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

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

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

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

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59909/5-A

Matrix: Solid Analysis Batch: 60008 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59909

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

MB MB

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

Lab Sample ID: LCS 880-59909/1-A

Matrix: Solid

Analysis Batch: 60008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59909

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

LCS LCS

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	85	70 - 130
1,4-Difluorobenzene (Surr)	96	70 - 130

Lab Sample ID: LCSD 880-59909/2-A

Matrix: Solid

Analysis Batch: 60008

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 59909

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

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1.4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-31677-A-1-D MS

Matrix: Solid

Analysis Batch: 60008

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

Prep Batch: 59909

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: 880-31677-A-1-D MS

Lab Sample ID: 880-31677-A-1-E MSD

Matrix: Solid

Matrix: Solid

o-Xylene

Analysis Batch: 60008

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

Prep Batch: 59909

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

MS MS

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

Client Sample ID: Matrix Spike Duplicate

70 - 130

94

Prep Type: Total/NA

Prep Batch: 59909

22

Analysis Batch: 60008 Sample Sample Spike MSD MSD RPD Result Qualifier Added RPD Limit Analyte Result Qualifier Unit %Rec Limits Benzene <0.00198 U 0.101 0.1078 mg/Kg 106 70 - 130 2 35 0.00833 Toluene 0.101 0.1109 mg/Kg 102 70 - 130 6 35 Ethylbenzene 0.0116 0.101 0.09542 83 70 - 130 15 35 mg/Kg 0.2070 m-Xylene & p-Xylene 0.0196 0.202 mg/Kg 93 70 - 130 22 35

0.1049

0.101

MSD MSD

0.0106

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

Lab Sample ID: MB 880-60008/39 Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 60008

Prep Type: Total/NA

mg/Kg

mg/Kg

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

0.00400

MB MB

<0.00400 U

MB MB

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

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

Lab Sample ID: MB 880-59649/1-A

Matrix: Solid

Xylenes, Total

Analysis Batch: 59688

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

08/13/23 05:23

Prep Batch: 59649

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed <50.0 U 50.0 08/08/23 15:08 08/09/23 07:43 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: MB 880-59649/1-A **Matrix: Solid**

Lab Sample ID: LCS 880-59649/2-A

Matrix: Solid

Analysis Batch: 59688

Analysis Batch: 59688

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59649

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

MB MB

MR MR

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59649

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

LCS LCS

ICED ICED

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

Lab Sample ID: LCSD 880-59649/3-A

Matrix: Solid

Analysis Batch: 59688

Prep Type: Total/NA

Prep Batch: 59649

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

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

Lab Sample ID: 890-5013-A-1-H MS

Matrix: Solid

Analysis Batch: 59688

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Cliont	Sample	ın.	Matriv	Snika
Ollell				

Prep Type: Total/NA

Prep Batch: 59649

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

C10-C28)

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: 890-5013-A-1-I MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 59688 Prep Batch: 59649

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.3	U *-	993	753.7		mg/Kg		76	70 - 130	3	20
(GRO)-C6-C10											
Diesel Range Organics (Over	195		993	1046		ma/Ka		86	70 - 130	1	20

C10-C28)

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59540/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

MB MB

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

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

Analysis Batch: 59747

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

Lab Sample ID: LCSD 880-59540/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	225.3		ma/Ka		90	90 110		20	

Lab Sample ID: 890-5036-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1070		251	1297	4	ma/Ka		91	90 _ 110	

Lab Sample ID: 890-5036-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 59747

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

Eurofins Carlsbad

Prep Type: Soluble

QC Association Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

GC VOA

Prep Batch: 59909

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

Analysis Batch: 60008

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

Analysis Batch: 60106

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

GC Semi VOA

Prep Batch: 59649

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

Analysis Batch: 59688

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

Analysis Batch: 59791

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

HPLC/IC

Leach Batch: 59540

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

QC Association Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 59540 (Continued)

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

Analysis Batch: 59747

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

Lab Chronicle

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

Client Sample ID: FS05

Lab Sample ID: 890-5040-1 Date Collected: 08/03/23 10:20 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	59909	08/11/23 09:44	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60008	08/14/23 00:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60106	08/14/23 11:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			59791	08/09/23 18:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59649	08/08/23 15:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59688	08/09/23 13:58	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:56	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5040-1 Project/Site: WEU GM Battery SDG: Lea County NM

Laboratory: Eurofins Midland

Released to Imaging: 1/23/2024 8:13:19 AM

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

Authority	Pro	ogram	Identification Number	Expiration Date	
Гехаѕ		ELAP	T104704400-23-26	06-30-24	
The following analytes	are included in this report, bu	t the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for y	
the agency does not of	• •		od by the governing addressity. This list his	ay moldae analytes for	
0 ,	• •	Matrix	Analyte	ay molade analytes for t	
the agency does not of	fer certification.	•	, , ,		

Method Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

EET MID

ASTM

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

Protocol References:

DI Leach

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

Deionized Water Leaching Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

OBS. Loa Goality Hill

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received
 Depth

 890-5040-1
 FS05
 Solid
 08/03/23 10:20
 08/04/23 16:05
 3

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Received by OCD: 10/4/2023 8:56:29 AM

Relinquished by: (Signature)

Environment Testing

Received by: (Signature)

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:	
----------------	--

Project Manager:	Erick	Herrera				Bill to: (if	differen	t)												W	ork C	rder	Comments	
Company Name:	Etech	Environ	mental &	Safety Solu	itions, Inc.	Compan	ny Name	e:									Program: UST/PST PRP Brownfields RRC Superfund							
Address:	1300	W Coun	ty Rd 100)		Address	:										State of Project: Reporting: Level II							
City, State ZIP:	Midla	nd, Texa	s 79711			City, Sta	te ZIP:															RP Level IV		
Phone:	(281)	777-415	2		Email:	erick@d	eteche	vn.con	ı, jose	eph@	eteche	env.co	m									ner:		
						Around								ΔΝΔΙ	YSIS	PFO	LIEST						Presei	vative Codes
Project Name: Project Number:		WEU	GM Batte 18341	ery	Routine	Rush		Pres.			Г	Γ		71471		IVE W	NGOLO!					Т	None: NO	DI Water: H ₂ O
	<u> </u>	- 0				5 T		Code														1	Cool: Cool	MeOH: Me
Project Location: Sampler's Name:			ity, New I ∕te Konar		Due Date: TAT starts th		-																HCL: HC	HNO ₃ : HN
PO#:		Lu	re remai		the lab, if red			S			EPA METHOD 300.0												H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEI	PT	Tems	Blank:	Yes No	Wet Ice:	Yes	No	Parameters	8021B	8015M/D	93			(100)		1001100	K ATTO B UR	1100 100	11000		•		H₃PO₄: HP	
Samples Received In	tact:	Yes	1	Thermomet	er ID:	NO.	FO	E	D 80	801	Ë			11111								NaHSO₄: NA	BIS	
Cooler Custody Seals	3:	Yes 1	6 (N/A	Correction I		-0	2	_ P	EPA METHOD	МЕТНОВ	A				HUIA								Na ₂ S ₂ O ₃ : Na	SO₃
Sample Custody Sea	ls:	Yes 1	lo N/A	emperatur	e Reading:	5	8		ME	ME I				HIMM	HONDA	IN HALL	AN 1188				Zn Acetate+NaOH: Zn			
Total Containers:				Corrected T	emperature:	5-	6		EPA	EPA	1 E		-	890-5	040 C	hain o	of Cust	ody					NaOH+Ascor	rbic Acid: SAPC
Sample Iden	tificati	on	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp		втех.	HAH.	CHLORIDE											Ĺ	Sampl	le Comments
FS0	5		s	8/3/2023	10:20	3'	С	1	X	X	X												Inc	cident ID:
																							nAPP	2228734147

						Λ -	-				-													
					Kot																			
					10																			
Total 200.7 / 60 Circle Method(s) an		200.8 / al(s) to b			RCRA 13F															Se			Na Sr TI Sn / 245.1 / 7470	
Notice: Signature of this of of service. Eurofins Xenc of Eurofins Xenco. A min	o will b	lable on	v for the cos	t of samples a	nd shall not assi	ime anv re	sponsibi	lity for a	nv loss	es or e	xpenses	incurre	d by the	client i	f such lo	sses a	re due to	circun	nstances	s beyor	nd the c	ontrol		

Date/Time

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5040-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 5040 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: 890-5040-1

SDG Number: Lea County NM

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

List Source: Eurofins Midland

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 5040

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	N/A	

Released to Imaging: 1/23/2024 8:13:19 AM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

WEU GM Battery SDG NUMBER Lea County NM

JOB NUMBER

890-5044-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization

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

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

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Client: Etech Environmental & Safety Solutions Project/Site: WEU GM Battery Laboratory Job ID: 890-5044-1 SDG: Lea County NM

Table of Contents

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions

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

Job ID: 890-5044-1

Qualifiers

GC VOA Qualifier

LCS and/or LCSD is outside acceptance limits, high biased.

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Qualifier Description

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

GC Semi VOA

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

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

%R

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

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

Decision Level Concentration (Radiochemistry) DLC

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

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA

Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit**

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

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

Job ID: 890-5044-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5044-1

Receipt

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

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-60007/20). Evidence of matrix interferences is not obvious.

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

Method 8021B: The method blank for preparation batch 880-59979 and 880-60011 and analytical batch 880-60007 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

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

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

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

GC Semi VOA

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

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: FS08 (890-5044-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60422/20), (CCV 880-60422/31), (CCV 880-60422/5), (LCS 880-60317/2-A) and (LCSD 880-60317/3-A). Evidence of matrix interferences is not obvious.

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

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

HPLC/IC

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

Case Narrative

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Job ID: 890-5044-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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Matrix: Solid

Lab Sample ID: 890-5044-1

Client Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

Client Sample ID: FS06

Date Collected: 08/03/23 10:30 Date Received: 08/04/23 16:05

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
o-Xylene	< 0.00199	U *+	0.00199		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		08/12/23 14:49	08/13/23 10:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				08/12/23 14:49	08/13/23 10:48	1
1,4-Difluorobenzene (Surr)	74		70 - 130				08/12/23 14:49	08/13/23 10:48	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese			•	MDL	Unit	D	Drangrad	Analyzod	Dil Fac
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	295		50.3		mg/Kg			08/18/23 10:45	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:33	08/17/23 20:03	1
Diesel Range Organics (Over C10-C28)	295		50.3		mg/Kg		08/15/23 16:33	08/17/23 20:03	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 16:33	08/17/23 20:03	1
			Limits				Prepared	Analyzed	
Surrogate	%Recovery	Qualifier	Limits					, , .	Dil Fac
Surrogate 1-Chlorooctane	%Recovery 125	Qualifier	70 ₋ 130				08/15/23 16:33	08/17/23 20:03	
		Qualifier					08/15/23 16:33 08/15/23 16:33		1
1-Chlorooctane	125 100		70 - 130 70 - 130					08/17/23 20:03	1
1-Chlorooctane o-Terphenyl	125 100 Chromatograp		70 - 130 70 - 130	MDL	Unit	<u>D</u>		08/17/23 20:03	Dil Fac

Client Sample ID: FS07

Date Collected: 08/03/23 10:35

Date Received: 08/04/23 16:05

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		08/12/23 14:49	08/13/23 11:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/12/23 14:49	08/13/23 11:08	

Eurofins Carlsbad

Lab Sample ID: 890-5044-2

Matrix: Solid

Released to Imaging: 1/23/2024 8:13:19 AM

Job ID: 890-5044-1

Client Sample Results

Client: Etech Environmental & Safety Solutions

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

Client Sample ID: FS07 Lab Sample ID: 890-5044-2 Matrix: Solid

Date Collected: 08/03/23 10:35 Date Received: 08/04/23 16:05

Sample Depth: 4

Method: SW846 8021B	- Volatile Organic	Compounds (GC)	(Continued)
moundar official course	Tolumo Organio	oompounae (,	(Continuou,

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

Method: TAL SOP	Total RTFY - Total	RTFY Calculation
MELITOU. TAL JOI	TOTAL DIEX - TOTAL	DIEA Calculation

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

н			
н	Method: SW846 8015 NM - D	iccal Banga Or	manica (DDO) (CC)
н	INIELITOU. 377040 OU 13 INIVI - D	iesei Kange Or	ganics (DRO) (GC)

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Client Sample ID: FS08 Lab Sample ID: 890-5044-3

Date Collected: 08/03/23 10:40 Date Received: 08/04/23 16:05

Sample Depth: 3

Method: SW846	ROSTR Vols	tilo Organic	Compounde /	CCI
I WELLIOU. SYVON	1 002 ID - VUIA	lile Oruanic	CUIIIDUUIIUS I	901

Mictilod. Offoro 002 ID - Volut	ne organie comp	ounus (CC)	,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				08/12/23 14:49	08/13/23 11:29	1
1 A-Diffuorobenzene (Surr)	70		70 130				08/12/23 14:40	08/13/23 11:20	1

1,4-Difluorobenzene (Surr)	70	70 - 130	08/12/23 14:49	08/13/23 11:2

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

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

Eurofins Carlsbad

Matrix: Solid

Job ID: 890-5044-1

SDG: Lea County NM

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5044-3

Client Sample ID: FS08

Date Collected: 08/03/23 10:40	Matrix: Solid
Date Received: 08/04/23 16:05	
Sample Depth: 3	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	1
Diesel Range Organics (Over C10-C28)	391		50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				08/15/23 16:33	08/17/23 20:45	1
o-Terphenyl	113		70 - 130				08/15/23 16:33	08/17/23 20:45	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS09 Lab Sample ID: 890-5044-4 Date Collected: 08/03/23 10:45 Matrix: Solid

Date Received: 08/04/23 16:05

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		08/12/23 14:49	08/13/23 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/12/23 14:49	08/13/23 11:50	1
1,4-Difluorobenzene (Surr)	74		70 - 130				08/12/23 14:49	08/13/23 11:50	1
Analyte Total BTEX	<0.00401	Qualifier U	0.00401	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 15:15	
Total BTEX Method: SW846 8015 NM - Diese	<0.00401	ics (DRO) (0.00401 GC)		mg/Kg			08/14/23 15:15	1
Total BTEX	<0.00401	U	0.00401				Prepared		1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	<0.00401 el Range Organ Result 966 esel Range Orga	ics (DRO) (Qualifier	0.00401 GC) RL 49.9 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	08/14/23 15:15 Analyzed 08/18/23 10:45	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte	<0.00401 el Range Organ Result 966 esel Range Orga Result	ics (DRO) (Qualifier	0.00401 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit		Prepared Prepared	08/14/23 15:15 Analyzed 08/18/23 10:45 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	<0.00401 el Range Organ Result 966 esel Range Orga	ics (DRO) (Qualifier	0.00401 GC) RL 49.9 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	08/14/23 15:15 Analyzed 08/18/23 10:45	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00401 el Range Organ Result 966 esel Range Orga Result	ics (DRO) (Qualifier	0.00401 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	08/14/23 15:15 Analyzed 08/18/23 10:45 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00401 el Range Organ Result 966 esel Range Orga Result <49.9	ics (DRO) (Qualifier nics (DRO) Qualifier U	0.00401 GC) RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 08/15/23 16:33	08/14/23 15:15 Analyzed 08/18/23 10:45 Analyzed 08/17/23 21:06	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00401 el Range Organ Result 966 esel Range Orga Result <49.9 966	ics (DRO) (Qualifier nics (DRO) Qualifier U	(GC) RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 08/15/23 16:33 08/15/23 16:33	08/14/23 15:15 Analyzed 08/18/23 10:45 Analyzed 08/17/23 21:06 08/17/23 21:06	Dil Face
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00401 el Range Organ Result 966 esel Range Orga Result <49.9 966 <49.9	ics (DRO) (Qualifier nics (DRO) Qualifier U	(GC) RL 49.9 (GC) RL 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 08/15/23 16:33 08/15/23 16:33	08/14/23 15:15 Analyzed 08/18/23 10:45 Analyzed 08/17/23 21:06 08/17/23 21:06	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1

Job ID: 890-5044-1

Matrix: Solid

SDG: Lea County NM

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5044-4

Client Sample ID: FS09

Date Collected: 08/03/23 10:45

Date Received: 08/04/23 16:05

Sample Depth: 3

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		5.00		mg/Kg			08/09/23 16:27	1

Client Sample ID: FS10 Lab Sample ID: 890-5044-5 **Matrix: Solid**

Date Collected: 08/03/23 10:50 Date Received: 08/04/23 16:05

Sample Depth: 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		08/12/23 14:49	08/13/23 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				08/12/23 14:49	08/13/23 12:10	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/12/23 14:49	08/13/23 12:10	1

Method: IAL SOP Total BTEX - Total	al BIEX Calculation						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399 U	0.00399	mg/Kg			08/14/23 15:15	1

Method: SW846 8015 NM - Diesel R	ange Organio	cs (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	175		49.6		mg/Kg			08/18/23 10:45	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 16:33	08/17/23 21:27	1
Diesel Range Organics (Over C10-C28)	175		49.6		mg/Kg		08/15/23 16:33	08/17/23 21:27	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:33	08/17/23 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/15/23 16:33	08/17/23 21:27	1
o-Terphenyl	99		70 - 130				08/15/23 16:33	08/17/23 21:27	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	892		4.97		mg/Kg			08/09/23 16:33	1

Surrogate Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31714-A-1-E MS	Matrix Spike	140 S1+	116	
880-31714-A-1-F MSD	Matrix Spike Duplicate	161 S1+	99	
890-5044-1	FS06	84	74	
390-5044-2	FS07	90	78	
390-5044-3	FS08	80	70	
390-5044-4	FS09	86	74	
390-5044-5	FS10	84	80	
CS 880-60011/1-A	Lab Control Sample	136 S1+	115	
_CSD 880-60011/2-A	Lab Control Sample Dup	137 S1+	112	
MB 880-59979/5-A	Method Blank	70	82	
MB 880-60011/5-A	Method Blank	72	83	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA Matrix: Solid

		1001	OTPH1	Percent Surrogate Recovery (Acceptance Limits)
b Sample ID	Client Sample ID	(70-130)	(70-130)	
)-5035-A-1-D MS	Matrix Spike	123	90	
5035-A-1-E MSD	Matrix Spike Duplicate	128	93	
)-5044-1	FS06	125	100	
-5044-2	FS07	119	96	
)-5044-3	FS08	135 S1+	113	
-5044-4	FS09	124	95	
-5044-5	FS10	123	99	
S 880-60317/2-A	Lab Control Sample	132 S1+	110	
SD 880-60317/3-A	Lab Control Sample Dup	143 S1+	119	
880-60317/1-A	Method Blank	149 S1+	121	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59979/5-A

Lab Sample ID: MB 880-60011/5-A

Matrix: Solid

Analysis Batch: 60007

Matrix: Solid

Analysis Batch: 60007

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59979

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

MB MB

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

08/11/23 16:10 08/12/23 18:42 08/11/23 16:10 08/12/23 18:42

Prepared

Client Sample ID: Method Blank

Analyzed

Prep Type: Total/NA

Dil Fac

Prep Batch: 60011

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

MB MB

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

Lab Sample ID: LCS 880-60011/1-A

Matrix: Solid

Analysis Batch: 60007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 60011

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

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130
1.4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-60011/2-A

Matrix: Solid

Analysis Batch: 60007

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

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

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Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: LCSD 880-60011/2-A

Matrix: Solid Analysis Batch: 60007 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 60011

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

LCSD LCSD

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

Lab Sample ID: 880-31714-A-1-E MS

Matrix: Solid

Analysis Batch: 60007

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 60011

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

MS MS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130		
1.4-Difluorobenzene (Surr)	116		70 - 130		

Lab Sample ID: 880-31714-A-1-F MSD

Matrix: Solid

Analysis Batch: 60007

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 60011

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U F1	0.101	0.06894	F1	mg/Kg		67	70 - 130	18	35
Toluene	<0.00198	U	0.101	0.08085		mg/Kg		80	70 - 130	10	35
Ethylbenzene	<0.00198	U F1 F2	0.101	0.03336	F1 F2	mg/Kg		33	70 - 130	57	35
m-Xylene & p-Xylene	<0.00396	U F1 *+ F2	0.202	0.07715	F1 F2	mg/Kg		38	70 - 130	56	35
o-Xylene	<0.00198	U F1 *+	0.101	0.04849	F1	mg/Kg		48	70 - 130	32	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5044-1

SDG: Lea County NM

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

Lab Sample ID: MB 880-60317/1-A

Matrix: Solid Analysis Batch: 60422 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60317

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				08/15/23 16:33	08/17/23 10:56	1
o-Terphenyl	121		70 - 130				08/15/23 16:33	08/17/23 10:56	1

Lab Sample ID: LCS 880-60317/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 60422

Prep Type: Total/NA

Prep Batch: 60317

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

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

Lab Sample ID: LCSD 880-60317/3-A

Matrix: Solid

Analysis Batch: 60422

Client Sample ID: Lab	Control	Sample Dup
	Drop T	mo: Total/NA

Prep Type: Total/NA

Prep Batch: 60317

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

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

Lab Sample ID: 890-5035-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 60422

Prep Type: Total/NA

Prep Batch: 60317

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

Prep Batch: 60317

Prep Type: Total/NA

QC Sample Results

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

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

Lab Sample ID: 890-5035-A-1-D MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid Analysis Batch: 60422

MS MS

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

Lab Sample ID: 890-5035-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 60422

Prep Batch: 60317 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <50.3 U 998 888.7 85 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 998 104 <50.3 U 1042 mg/Kg 70 - 13020 3

C10-C28)

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59540/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

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

Lab Sample ID: LCS 880-59540/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Analysis Batch: 59747

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

Lab Sample ID: LCSD 880-59540/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 59747

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

Lab Sample ID: 890-5043-A-3-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

Released to Imaging: 1/23/2024 8:13:19 AM

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

Eurofins Carlsbad

Prep Type: Soluble

Prep Type: Soluble

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5043-A-3-C MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59747

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

QC Association Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

GC VOA

Prep Batch: 59979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59979/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 60007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8021B	60011
890-5044-2	FS07	Total/NA	Solid	8021B	60011
890-5044-3	FS08	Total/NA	Solid	8021B	60011
890-5044-4	FS09	Total/NA	Solid	8021B	60011
890-5044-5	FS10	Total/NA	Solid	8021B	60011
MB 880-59979/5-A	Method Blank	Total/NA	Solid	8021B	59979
MB 880-60011/5-A	Method Blank	Total/NA	Solid	8021B	60011
LCS 880-60011/1-A	Lab Control Sample	Total/NA	Solid	8021B	60011
LCSD 880-60011/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60011
880-31714-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	60011
880-31714-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60011

Prep Batch: 60011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	5035	<u> </u>
890-5044-2	FS07	Total/NA	Solid	5035	
890-5044-3	FS08	Total/NA	Solid	5035	
890-5044-4	FS09	Total/NA	Solid	5035	
890-5044-5	FS10	Total/NA	Solid	5035	
MB 880-60011/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60011/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60011/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31714-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-31714-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 60131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	Total BTEX	
890-5044-2	FS07	Total/NA	Solid	Total BTEX	
890-5044-3	FS08	Total/NA	Solid	Total BTEX	
890-5044-4	FS09	Total/NA	Solid	Total BTEX	
890-5044-5	FS10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8015NM Prep	
890-5044-2	FS07	Total/NA	Solid	8015NM Prep	
890-5044-3	FS08	Total/NA	Solid	8015NM Prep	
890-5044-4	FS09	Total/NA	Solid	8015NM Prep	
890-5044-5	FS10	Total/NA	Solid	8015NM Prep	
MB 880-60317/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60317/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5035-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5035-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

GC Semi VOA

Analysis Batch: 60422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8015B NM	60317
890-5044-2	FS07	Total/NA	Solid	8015B NM	60317
890-5044-3	FS08	Total/NA	Solid	8015B NM	60317
890-5044-4	FS09	Total/NA	Solid	8015B NM	60317
890-5044-5	FS10	Total/NA	Solid	8015B NM	60317
MB 880-60317/1-A	Method Blank	Total/NA	Solid	8015B NM	60317
LCS 880-60317/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60317
LCSD 880-60317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60317
890-5035-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	60317
890-5035-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60317

Analysis Batch: 60569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Total/NA	Solid	8015 NM	
890-5044-2	FS07	Total/NA	Solid	8015 NM	
890-5044-3	FS08	Total/NA	Solid	8015 NM	
890-5044-4	FS09	Total/NA	Solid	8015 NM	
890-5044-5	FS10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Soluble	Solid	DI Leach	
890-5044-2	FS07	Soluble	Solid	DI Leach	
890-5044-3	FS08	Soluble	Solid	DI Leach	
890-5044-4	FS09	Soluble	Solid	DI Leach	
890-5044-5	FS10	Soluble	Solid	DI Leach	
MB 880-59540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5043-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-5043-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 59747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5044-1	FS06	Soluble	Solid	300.0	59540
890-5044-2	FS07	Soluble	Solid	300.0	59540
890-5044-3	FS08	Soluble	Solid	300.0	59540
890-5044-4	FS09	Soluble	Solid	300.0	59540
890-5044-5	FS10	Soluble	Solid	300.0	59540
MB 880-59540/1-A	Method Blank	Soluble	Solid	300.0	59540
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	300.0	59540
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59540
890-5043-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	59540
890-5043-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59540

Client Sample ID: FS06 Date Collected: 08/03/23 10:30

Lab Sample ID: 890-5044-1 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			5.02 g	5 mL	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 10:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 20:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:59	CH	EET MID

Client Sample ID: FS07 Lab Sample ID: 890-5044-2

Date Collected: 08/03/23 10:35 Date Received: 08/04/23 16:05

Matrix: Solid

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.05 g 5 mL 60011 08/12/23 14:49 EL EET MID Total/NA 8021B 08/13/23 11:08 **EET MID** Analysis 1 5 mL 5 mL 60007 SM Total/NA Total BTEX 60131 08/14/23 15:15 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 60569 08/18/23 10:45 SM **EET MID** Total/NA 60317 08/15/23 16:33 Prep 8015NM Prep 9.91 g 10 mL TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 60422 08/17/23 20:24 SM **EET MID** Soluble Leach DI Leach 4.99 g 50 mL 59540 08/07/23 15:13 KS EET MID Soluble Analysis 300.0 59747 08/09/23 16:16 СН **EET MID**

Client Sample ID: FS08 Lab Sample ID: 890-5044-3 Date Collected: 08/03/23 10:40 **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	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 11:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 20:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		5			59747	08/09/23 16:21	CH	EET MID

Client Sample ID: FS09 Lab Sample ID: 890-5044-4

Date Collected: 08/03/23 10:45 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	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 11:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID

Eurofins Carlsbad

Page 19 of 26

Matrix: Solid

Lab Chronicle

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5044-4

Matrix: Solid

Matrix: Solid

Job ID: 890-5044-1

SDG: Lea County NM

Client Sample ID: FS09 Date Collected: 08/03/23 10:45

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	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 21:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 16:27	CH	EET MID

Client Sample ID: FS10 Lab Sample ID: 890-5044-5

Date Collected: 08/03/23 10:50

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			5.01 g	5 mL	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 12:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 21:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 16:33	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5044-1 Project/Site: WEU GM Battery SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
xas		ELAP	T104704400-23-26	06-30-24
The following analytes	are included in this report, bu	t the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for y
the agency does not of	• •		od by the governing addressity. This list his	ay moldae analytes for
0 ,	• •	Matrix	Analyte	ay molade analytes for t
the agency does not of	fer certification.	•	, , ,	

Method Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Method	Method Description	Protocol	Laboratory
3021B	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

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Sample Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5044-1	FS06	Solid	08/03/23 10:30	08/04/23 16:05	3
890-5044-2	FS07	Solid	08/03/23 10:35	08/04/23 16:05	4
890-5044-3	FS08	Solid	08/03/23 10:40	08/04/23 16:05	3
890-5044-4	FS09	Solid	08/03/23 10:45	08/04/23 16:05	3
890-5044-5	FS10	Solid	08/03/23 10:50	08/04/23 16:05	3

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Received by OCD: 10/4/2023 8:56:29 AM

Revised Date 06/25/2020 Rev 2020 2

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:

														Work Order Compared											
Project Manager:		Herrera	B圳 to: (if different)							-	Work Order Comments														
Company Name:	Etech Environmental & Safety Solutions, Inc.						Company Name:									_	_			ST	PRP_	Brov	/nfields∐ i	RRCL	Superfund
Address:	1300 W County Rd 100					Address:										_		of Pr	•			—			
City, State ZIP:	Midland, Texas 79711					City, State ZIP:																			Level IV
hone:	(281)777-4152					erick@d	n, joseph@etechenv.com								Deliverables: EDD ADaPT C										
roject Name:	WEU C	SM Batte	ery	Turr		Pres.					ANALYSIS REC				QUEST					Preservative Codes					
Project Number:	ect Number: 1				☑ Routine	☐ Rush	Rush														<u> </u>		None: NO		DI Water: H
roject Location:	ocation: Lea County			/lexico	Due Date:	5 TAT		2		٩	300.0												Cool: Cool		MeOH: Me
			e Konan			e day received by selved by 4:30pm														1		HCL: HC		HNO ₃ : HN	
O#:				the lab, if re									1 1								1	H ₂ S0 ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank: Yes No			Wet Ice:	Yes No		ete	021E	15M	8					A PARA LA	i 1 20% 120 % (4 120 0) Bisin an dia production of			91411441			H₃PO₄: HP	•	
amples Received Intact: Yes		Yes	No	Thermomet	er ID: /	MOOR		Parameters	80	METHOD 8015M/D	E												NaHSO₄; NABIS		
ooler Custody Seals: Yes N		N/A	Correction F	actor:	5.6		Pa	EPA METHOD 8021B	오	A												Na ₂ S ₂ O ₃ : N	VaSO	3	
Sample Custody Se	nple Custody Seals: Yes		N/A Temperatur						e Reading:	W.	- EPA METHOD				101111								Zn Acetate+NaOH: Zn		
otal Containers:				Corrected T					emperature:	EPA I	2		1	-	90-50	44 Ch	nain of Custody						NaOH+Aso	corbic	corbic Acid: SAPC
Sample Identification		on	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	" "	втех -	TPH - E	CHLORIDE												Sam	ple C	omments
FS06			s	8/3/2023	10:30	3'	С	1	Х	Х	Х													Incide	ent ID:
FS07		s 8/3/2023		10:35	4'	С	1	X	Х												nAF	P22	28734147		
FS	08		s	8/3/2023	10:40	3'	С	1	X	Х	Х														
FS	09		s	8/3/2023	10:45	3'	С	1	Х	X	X														
FS ⁻	10		s	8/3/2023	10:50	3'	С	1	Х	X	Х											_			
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				-	-KOLE																_	_	ļ		
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Total 200.7 / 6		200.8 / 6 al(s) to be			RCRA 13F															< Se			Na Sr TI S / 245.1 / 74		
tice: Signature of this service. Eurofins Xen Eurofins Xenco. A mi	co will be	liable only	for the cos	t of samples ar	nd shall not ass	ume anv re	sponsibl	lity for a	ny loss	es or ex	penses	Incurre	d by th	e client	if such le	osses a	re due t	o circu	mstance	es beyo	nd the c	ontrol	ed.		
Relinquished by: (Signature)			ture) Received by: (Signa											elinquished by: (Signatu				ure) Received by: (Signa					іге)		Date/Time
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17				1								4													

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5044-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 5044 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	

Euronnis Carisbau

Released to Imaging: 1/23/2024 8:13:19 AM

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Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

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

List Source: Eurofins Midland

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

Login Number: 5044 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	N/A	

Released to Imaging: 1/23/2024 8:13:19 AM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/18/2023 9:34:06 AM

JOB DESCRIPTION

WEU GM Baterry SDG NUMBER Lea County NM

JOB NUMBER

890-5036-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

Authorization

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

Client: Etech Environmental & Safety Solutions Project/Site: WEU GM Baterry Laboratory Job ID: 890-5036-1 SDG: Lea County NM

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
04.	Commendation of the control of the c

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

HPLC/IC

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

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)
DI DA DE IN	ladicates a Dilution De control De control de control de la latin de control de la con

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) MCL

EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present **PQL** Practical Quantitation Limit

PRES Presumptive OC **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)

TNTC Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

Job ID: 890-5036-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5036-1

Receipt

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

Receipt Exceptions

The following were received and analyzed from an unpreserved bulk soil jar: SW01 (890-5036-1), SW02 (890-5036-2), SW03 (890-5036-3), SW04 (890-5036-4), SW05 (890-5036-5) and SW06 (890-5036-6).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW05 (890-5036-5) and (880-31972-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60006 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated samples are impacted: (CCV 880-60006/33) and (CCV 880-60006/95).

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-60012/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The method blank for preparation batch 880-60011 and analytical batch 880-60007 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60424/5) and (LCSD 880-60324/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60424/20) and (CCV 880-60424/31). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

Lab Sample ID: 890-5036-1

Matrix: Solid

Job ID: 890-5036-1

SDG: Lea County NM

Date Collected: 08/03/23 11:00 Date Received: 08/04/23 16:05

Client Sample ID: SW01

Sample Depth: 0 - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/12/23 14:51	08/13/23 22:50	
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/12/23 14:51	08/13/23 22:50	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130				08/12/23 14:51	08/13/23 22:50	
1,4-Difluorobenzene (Surr)	75		70 - 130				08/12/23 14:51	08/13/23 22:50	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/14/23 15:15	
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH	Result 302	Qualifier	RL 50.2	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/18/23 10:13	
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 302 sel Range Orga	Qualifier nics (DRO)	RL 50.2		mg/Kg			08/18/23 10:13	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result 302 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 50.2 (GC)		mg/Kg	<u>D</u>	Prepared	08/18/23 10:13 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 302 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 50.2		mg/Kg			08/18/23 10:13	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 302 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 50.2 (GC)		mg/Kg		Prepared	08/18/23 10:13 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 302 sel Range Orga Result <50.2	Qualifier nics (DRO) Qualifier U	RL 50.2		mg/Kg Unit mg/Kg		Prepared 08/15/23 16:47	08/18/23 10:13 Analyzed 08/17/23 21:27	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	Result 302 sel Range Orga Result <50.2 302	Qualifier nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2 50.2		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47	08/18/23 10:13 Analyzed 08/17/23 21:27 08/17/23 21:27	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result 302	Qualifier nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2 50.2		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47	08/18/23 10:13 Analyzed 08/17/23 21:27 08/17/23 21:27	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result 302	Qualifier nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47	08/18/23 10:13 Analyzed 08/17/23 21:27 08/17/23 21:27 08/17/23 21:27 08/17/23 21:27	Dil Fa
Analyte	Result 302	Qualifier nics (DRO) Qualifier U	RL 50.2		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47 Prepared	08/18/23 10:13 Analyzed 08/17/23 21:27 08/17/23 21:27 08/17/23 21:27 08/17/23 21:27 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result 302	Qualifier nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47 Prepared 08/15/23 16:47	08/18/23 10:13 Analyzed 08/17/23 21:27 08/17/23 21:27 08/17/23 21:27 Analyzed 08/17/23 21:27	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies 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	Result 302	Qualifier nics (DRO) Qualifier U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47 Prepared 08/15/23 16:47	08/18/23 10:13 Analyzed 08/17/23 21:27 08/17/23 21:27 08/17/23 21:27 Analyzed 08/17/23 21:27	Dil Fa

Client Sample ID: SW02 Lab Sample ID: 890-5036-2

Date Collected: 08/03/23 11:05 Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 23:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:51	08/13/23 23:10	1

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Job ID: 890-5036-1

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

SDG: Lea County NM

Sample Depth: 0 - 3

Client Sample ID: SW02 Lab Sample ID: 890-5036-2 Date Collected: 08/03/23 11:05 Matrix: Solid Date Received: 08/04/23 16:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/12/23 14:51	08/13/23 23:10	1
1,4-Difluorobenzene (Surr)	71		70 - 130	08/12/23 14:51	08/13/23 23:10	1

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

Method: SW846 8015 NM - Diesel Rai	nge Organics (DRO) (0	GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	767	50.4	mg/Kg			08/18/23 10:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1
Diesel Range Organics (Over C10-C28)	684		50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1
Oll Range Organics (Over C28-C36)	82.5		50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1
Total TPH	767		50.4		mg/Kg		08/15/23 16:47	08/17/23 19:41	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	107		70 - 130	08/15/23 16:47	08/17/23 19:41	1
Į	o-Terphenyl	110		70 - 130	08/15/23 16:47	08/17/23 19:41	1
'n	_						

Method: EPA 300.0 - Anions, Ion C	Chromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	453	5.00	mg/Kg			08/09/23 14:17	1

Lab Sample ID: 890-5036-3 **Client Sample ID: SW03** Date Collected: 08/03/23 11:10

Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/12/23 14:51	08/13/23 23:31	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/12/23 14:51	08/13/23 23:31	1

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08/14/23 15:15

0.00402

mg/Kg

<0.00402 U

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

Client Sample ID: SW03 Lab Sample ID: 890-5036-3 Date Collected: 08/03/23 11:10 Matrix: Solid

Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

Method: SW846 8015 NM - Diesel R	lange Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	560		50.0		mg/Kg			08/18/23 10:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	500		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
C10-C28)									
Oll Range Organics (Over	60.2		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
C28-C36)									
Total TPH	560		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/15/23 16:47	08/17/23 20:03	1
o-Terphenyl	97		70 - 130				08/15/23 16:47	08/17/23 20:03	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	527		4.98		mg/Kg			08/09/23 14:22	1

Lab Sample ID: 890-5036-4 **Client Sample ID: SW04**

Date Collected: 08/03/23 11:15 Date Received: 08/04/23 16:05

	le Organic Comp	, ,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/12/23 14:51	08/13/23 23:51	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/12/23 14:51	08/13/23 23:51	1
		culation	70 - 130				00/12/20 14:01	00.10.20.20.0	
		ulation	70 - 130				00/12/20 14.01	00.10.20.20.0	
Method: TAL SOP Total BTEX - Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	D	Prepared	Analyzed	
Method: TAL SOP Total BTEX - Analyte	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX - Analyte Total BTEX	- Total BTEX Calc Result <	Qualifier U		MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	- Total BTEX Calc Result <	Qualifier U				D		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	- Total BTEX Calc Result <	Qualifier U	RL 0.00403		mg/Kg		Prepared	Analyzed 08/14/23 15:15	1
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00403 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 08/14/23 15:15 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di	- Total BTEX Calc Result <0.00403 sel Range Organ Result 747 esel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00403 ——————————————————————————————————		mg/Kg Unit mg/Kg		Prepared	Analyzed 08/14/23 15:15 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	- Total BTEX Calc Result <0.00403 sel Range Organ Result 747 esel Range Orga	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	RL 0.00403 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg		Prepared Prepared	Analyzed 08/14/23 15:15 Analyzed 08/18/23 10:13	Dil Fac

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Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

Job ID: 890-5036-1

SDG: Lea County NM

Client Sample ID: SW04

Date Collected: 08/03/23 11:15

Date Received: 08/04/23 16:05

Lab Sample ID: 890-5036-4

Matrix: Solid

Sample Depth: 0 - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over	64.3		49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1
C28-C36)									
Total TPH	747		49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/15/23 16:47	08/17/23 21:06	1
o-Terphenyl	109		70 - 130				08/15/23 16:47	08/17/23 21:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Dil Fac D Analyzed 4.99 08/09/23 14:28 Chloride 248 mg/Kg

Client Sample ID: SW05

Lab Sample ID: 890-5036-5 Date Collected: 08/03/23 11:20 Matrix: Solid

Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
Toluene	0.0124		0.00200		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
Ethylbenzene	0.00269		0.00200		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
m-Xylene & p-Xylene	0.0103		0.00400		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
o-Xylene	0.00334		0.00200		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
Xylenes, Total	0.0136		0.00400		mg/Kg		08/12/23 14:46	08/14/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130				08/12/23 14:46	08/14/23 03:36	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				08/12/23 14:46	08/14/23 03:36	1
Method: TAL SOP Total BTEX -	- Total BTEX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
T-4-I DTEV			0.00400		mg/Kg			08/14/23 11:31	
Total BTEX : Method: SW846 8015 NM - Dies	0.0287 sel Range Organ	ics (DRO) (mg/Ng			00/14/23 11.31	
Method: SW846 8015 NM - Dies Analyte	sel Range Organ Result	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	
: Method: SW846 8015 NM - Dies	sel Range Organ		GC)	MDL_		<u>D</u>	Prepared		
Method: SW846 8015 NM - Dies Analyte	sel Range Organ Result 628 esel Range Orga	Qualifier (DRO)	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Dies Analyte Total TPH	sel Range Organ Result 628 Resel Range Orga Result	Qualifier nics (DRO) Qualifier	GC) RL 49.8		Unit	<u>D</u>	Prepared Prepared	Analyzed	1
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di	sel Range Organ Result 628 esel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.8 (GC)		Unit mg/Kg			Analyzed 08/18/23 10:13	Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics	sel Range Organ Result 628 Resel Range Orga Result	Qualifier nics (DRO) Qualifier	GC) RL 49.8 (GC) RL		Unit mg/Kg		Prepared	Analyzed 08/18/23 10:13 Analyzed	Dil Fac
Method: SW846 8015 NM - Dies 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	sel Range Organ Result 628 esel Range Orga Result < 49.8	Qualifier nics (DRO) Qualifier	(GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 08/15/23 16:47	Analyzed 08/18/23 10:13 Analyzed 08/17/23 20:24	Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Organ Result 628 esel Range Orga Result keptille:kep	Qualifier nics (DRO) Qualifier	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47	Analyzed 08/18/23 10:13 Analyzed 08/17/23 20:24 08/17/23 20:24	Dil Fac
Method: SW846 8015 NM - Dies 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)	sel Range Organ Result 628 esel Range Orga Result <a href="mailto:keptillook)</td><td>Qualifier nics (DRO) Qualifier</td><td>GC) RL 49.8 (GC) RL 49.8 49.8 49.8</td><td></td><td>Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg</td><td></td><td>Prepared 08/15/23 16:47 08/15/23 16:47</td><td>Analyzed 08/18/23 10:13 Analyzed 08/17/23 20:24 08/17/23 20:24</td><td>1 Dil Fac</td></tr><tr><td>Method: SW846 8015 NM - Dies
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</td><td>sel Range Organ Result 628 esel Range Orga Result <a href=" mailto:keptillook)<="" td=""><td>Qualifier unics (DRO) Qualifier U</td><td>GC) RL 49.8 (GC) RL 49.8 49.8 49.8 49.8</td><td></td><td>Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg</td><td></td><td>Prepared 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47</td><td>Analyzed 08/18/23 10:13 Analyzed 08/17/23 20:24 08/17/23 20:24 08/17/23 20:24</td><td>•</td>	Qualifier unics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 08/15/23 16:47 08/15/23 16:47 08/15/23 16:47	Analyzed 08/18/23 10:13 Analyzed 08/17/23 20:24 08/17/23 20:24 08/17/23 20:24	•

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

Lab Sample ID: 890-5036-5

Client Sample ID: SW05

Date Collected: 08/03/23 11:20

Date Received: 08/04/23 16:05

Matrix: Solid

Job ID: 890-5036-1

SDG: Lea County NM

Sample Depth: 0 - 3

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	993		5.01		mg/Kg			08/09/23 14:34	1

Client Sample ID: SW06 Lab Sample ID: 890-5036-6 **Matrix: Solid**

Date Collected: 08/03/23 11:25 Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	
Toluene	0.00590		0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	
m-Xylene & p-Xylene	0.00706		0.00402		mg/Kg		08/12/23 14:46	08/14/23 03:57	
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	
Xylenes, Total	0.00706		0.00402		mg/Kg		08/12/23 14:46	08/14/23 03:57	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	73		70 - 130				08/12/23 14:46	08/14/23 03:57	
1,4-Difluorobenzene (Surr)	75		70 - 130				08/12/23 14:46	08/14/23 03:57	
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.0130		0.00402		mg/Kg			08/14/23 11:31	
Method: SW846 8015 NM - Dies Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Total TPH	761		49.6		mg/Kg			08/18/23 10:13	•
Method: SW846 8015B NM - Die		,	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.6	1.1			mg/Kg		08/15/23 16:47	08/17/23 20:45	•
(GRO)-C6-C10	45.0	U	49.6						
Diesel Range Organics (Over	685	U	49.6 49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over		U					08/15/23 16:47 08/15/23 16:47	08/17/23 20:45 08/17/23 20:45	
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	685		49.6		mg/Kg				
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	685 75.6		49.6 49.6		mg/Kg mg/Kg		08/15/23 16:47	08/17/23 20:45	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	685 75.6 761		49.6 49.6		mg/Kg mg/Kg		08/15/23 16:47 08/15/23 16:47	08/17/23 20:45 08/17/23 20:45	

Eurofins Carlsbad

Analyzed

08/09/23 14:51

RL

5.04

MDL Unit

mg/Kg

D

Prepared

Dil Fac

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

428

Surrogate Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5036-1	SW01	88	75	
890-5036-2	SW02	87	71	
890-5036-3	SW03	90	72	
890-5036-4	SW04	86	72	
890-5036-5	SW05	61 S1-	64 S1-	
890-5036-6	SW06	73	75	
LCS 880-60010/1-A	Lab Control Sample	102	101	
LCS 880-60012/1-A	Lab Control Sample	112	119	
LCSD 880-60010/2-A	Lab Control Sample Dup	89	98	
LCSD 880-60012/2-A	Lab Control Sample Dup	118	109	
MB 880-60009/5-A	Method Blank	94	115	
MB 880-60010/5-A	Method Blank	98	115	
MB 880-60011/5-A	Method Blank	72	83	
MB 880-60012/5-A	Method Blank	68 S1-	104	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

Client Sample ID SW01 SW02 SW03	1CO1 (70-130) 120 107 93	OTPH1 (70-130) 127 110	· —— —— —— —
SW01 SW02	120 107	127 110	
SW02	107	110	
SW03	93		
	30	97	
SW04	102	109	
SW05	95	99	
SW06	96	100	
Lab Control Sample	113	125	
Lab Control Sample Dup	118	131 S1+	
Method Blank	118	129	
_	SW05 SW06 Lab Control Sample Lab Control Sample Dup	SW05 95 SW06 96 Lab Control Sample 113 Lab Control Sample Dup 118	SW05 95 99 SW06 96 100 Lab Control Sample 113 125 Lab Control Sample Dup 118 131 S1+

OTPH = o-Terphenyl

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60009/5-A

Analysis Batch: 60006

Matrix: Solid

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

Prep Batch: 60009

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:43	08/13/23 07:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:43	08/13/23 07:51	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/12/23 14:43	08/13/23 07:51	1
1.4-Difluorobenzene (Surr)	115		70 - 130	08/12/23 14:43	08/13/23 07:51	1

Lab Sample ID: MB 880-60010/5-A

Client Sample ID: Method Blank

Lab campio in me coc coc ioi cit			Choire Campio III motifica Blank					Ju Diaiii
Matrix: Solid							Prep Type:	Total/NA
Analysis Batch: 60006							Prep Batc	h: 60010
	MB	MB						
Δnalvto	Result	Qualifier	RI	MDI Unit	n	Prenared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:46	08/13/23 19:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:46	08/13/23 19:29	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepa	ared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/12/23	3 14:46	08/13/23 19:29	1
1,4-Difluorobenzene (Surr)	115		70 - 130	08/12/23	3 14:46	08/13/23 19:29	1

Lab Sample ID: LCS 880-60010/1-A

Matrix: Solid

Analysis Batch: 60006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 60010

-	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1001		mg/Kg		100	70 - 130
Toluene	0.100	0.09406		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08878		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09407		mg/Kg		94	70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 _ 130
1.4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-60010/2-A

Matrix: Solid

Analysis Batch: 60006

Client Sample ID: Lab	Control Sample Dup
	Pren Type: Total/NA

Prep Batch: 60010

Spike LCSD LCSD RPD %Rec Result Qualifier Analyte Added Unit %Rec Limits RPD Limit Benzene 0.100 0.1012 mg/Kg 101 70 - 130

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

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

Lab Sample ID: LCSD 880-60010/2-A

Matrix: Solid

Analysis Batch: 60006

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60010

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09241		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.08454		mg/Kg		85	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1718		mg/Kg		86	70 - 130	11	35
o-Xylene	0.100	0.08369		mg/Kg		84	70 - 130	12	35

LCSD LCSD

Surrogate	%Recovery C	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-60011/5-A

Matrix: Solid

Analysis Batch: 60007

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60011

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

MB MB

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

Lab Sample ID: MB 880-60012/5-A

Matrix: Solid

Analysis Batch: 60007

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 60012

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:51	08/13/23 15:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/23 14:51	08/13/23 15:55	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	08/12/23 14:51	08/13/23 15:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/12/23 14:51	08/13/23 15:55	1

Lab Sample ID: LCS 880-60012/1-A

Matrix: Solid

Analysis Batch: 60007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60012

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Uni	t D	%Rec	Limits	
Benzene	0.100	0.1030	mg/	Kg	103	70 - 130	
Toluene	0.100	0.1088	mg/	'Kg	109	70 - 130	

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

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

Lab Sample ID: LCS 880-60012/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 60007 Prep Batch: 60012 Snike

	Spike	LUS	LUS				70Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	0.100	0.1060		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2326		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 112 1,4-Difluorobenzene (Surr) 70 - 130 119

Lab Sample ID: LCSD 880-60012/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Prep Batch: 60012 **Analysis Batch: 60007**

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1013		mg/Kg		101	70 - 130	2	35
Toluene	0.100	0.1114		mg/Kg		111	70 - 130	2	35
Ethylbenzene	0.100	0.1117		mg/Kg		112	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2479		mg/Kg		124	70 - 130	6	35
o-Xylene	0.100	0.1235		mg/Kg		123	70 - 130	7	35

LCSD LCSD Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 118 70 - 130 1,4-Difluorobenzene (Surr) 109 70 - 130

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

Lab Sample ID: MB 880-60324/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 60424

MB MB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte <50.0 U 50.0 08/15/23 16:46 08/17/23 10:56 Gasoline Range Organics mg/Kg (GRO)-C6-C10 08/17/23 10:56 Diesel Range Organics (Over <50.0 U 50.0 08/15/23 16:46 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 08/15/23 16:46 08/17/23 10:56 mg/Kg

Total TPH <50.0 U 50.0 08/15/23 16:46 08/17/23 10:56 mg/Kg MB MB

Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 118 70 - 130 08/15/23 16:46 08/17/23 10:56 1-Chlorooctane o-Terphenyl 129 70 - 130 08/15/23 16:46 08/17/23 10:56

Lab Sample ID: LCS 880-60324/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Prep Type: Total/NA **Analysis Batch: 60424** Prep Batch: 60324

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits 1000 1043 104 70 - 130 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

Eurofins Carlsbad

Prep Batch: 60324

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

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

113

125

MB MB

Lab Sample ID: LCS 880-60324/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 60424 Prep Batch: 60324

Spike LCS LCS %Rec Added Result Qualifier Unit %Rec Limits Analyte D 1000 906.2 91 70 - 130 Diesel Range Organics (Over mg/Kg C10-C28)

Limits

70 130

70 - 130

LCS LCS Surrogate %Recovery Qualifier

Lab Sample ID: LCSD 880-60324/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 60424 Prep Batch: 60324

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 Gasoline Range Organics 1021 mg/Kg 102 70 - 130 2 20 (GRO)-C6-C10 1000 898.3 mg/Kg 90 70 - 130 20 Diesel Range Organics (Over C10-C28)

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 118 70 - 130 131 S1+ 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

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

Analysis Batch: 59747

1-Chlorooctane

o-Terphenyl

Analyte Result Qualifier MDL Unit D Prepared Analyzed Dil Fac

5.00 Chloride <5.00 U mg/Kg 08/09/23 13:43

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

Analysis Batch: 59747

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

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

Analysis Batch: 59747

Spike LCSD LCSD %Rec **RPD**

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

Lab Sample ID: 890-5036-1 MS Client Sample ID: SW01

Matrix: Solid Prep Type: Soluble Analysis Batch: 59747

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

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-5036-1 MSD Client Sample ID: SW01 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59747

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

QC Association Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

GC VOA

Analysis Batch: 60006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-5	SW05	Total/NA	Solid	8021B	60010
890-5036-6	SW06	Total/NA	Solid	8021B	60010
MB 880-60009/5-A	Method Blank	Total/NA	Solid	8021B	60009
MB 880-60010/5-A	Method Blank	Total/NA	Solid	8021B	60010
LCS 880-60010/1-A	Lab Control Sample	Total/NA	Solid	8021B	60010
LCSD 880-60010/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60010

Analysis Batch: 60007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8021B	60012
890-5036-2	SW02	Total/NA	Solid	8021B	60012
890-5036-3	SW03	Total/NA	Solid	8021B	60012
890-5036-4	SW04	Total/NA	Solid	8021B	60012
MB 880-60011/5-A	Method Blank	Total/NA	Solid	8021B	60011
MB 880-60012/5-A	Method Blank	Total/NA	Solid	8021B	60012
LCS 880-60012/1-A	Lab Control Sample	Total/NA	Solid	8021B	60012
LCSD 880-60012/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60012

Prep Batch: 60009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60009/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-5	SW05	Total/NA	Solid	5035	
890-5036-6	SW06	Total/NA	Solid	5035	
MB 880-60010/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60010/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60010/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 60011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-60011/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 60012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	5035	
890-5036-2	SW02	Total/NA	Solid	5035	
890-5036-3	SW03	Total/NA	Solid	5035	
890-5036-4	SW04	Total/NA	Solid	5035	
MB 880-60012/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60012/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60012/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 60112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	Total BTEX	·
890-5036-2	SW02	Total/NA	Solid	Total BTEX	
890-5036-3	SW03	Total/NA	Solid	Total BTEX	
890-5036-4	SW04	Total/NA	Solid	Total BTEX	
890-5036-5	SW05	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 60112 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-6	SW06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8015NM Prep	
890-5036-2	SW02	Total/NA	Solid	8015NM Prep	
890-5036-3	SW03	Total/NA	Solid	8015NM Prep	
890-5036-4	SW04	Total/NA	Solid	8015NM Prep	
890-5036-5	SW05	Total/NA	Solid	8015NM Prep	
890-5036-6	SW06	Total/NA	Solid	8015NM Prep	
MB 880-60324/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60324/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8015B NM	60324
890-5036-2	SW02	Total/NA	Solid	8015B NM	60324
890-5036-3	SW03	Total/NA	Solid	8015B NM	60324
890-5036-4	SW04	Total/NA	Solid	8015B NM	60324
890-5036-5	SW05	Total/NA	Solid	8015B NM	60324
890-5036-6	SW06	Total/NA	Solid	8015B NM	60324
MB 880-60324/1-A	Method Blank	Total/NA	Solid	8015B NM	60324
LCS 880-60324/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60324
LCSD 880-60324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60324

Analysis Batch: 60560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Total/NA	Solid	8015 NM	
890-5036-2	SW02	Total/NA	Solid	8015 NM	
890-5036-3	SW03	Total/NA	Solid	8015 NM	
890-5036-4	SW04	Total/NA	Solid	8015 NM	
890-5036-5	SW05	Total/NA	Solid	8015 NM	
890-5036-6	SW06	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Soluble	Solid	DI Leach	
890-5036-2	SW02	Soluble	Solid	DI Leach	
890-5036-3	SW03	Soluble	Solid	DI Leach	
890-5036-4	SW04	Soluble	Solid	DI Leach	
890-5036-5	SW05	Soluble	Solid	DI Leach	
890-5036-6	SW06	Soluble	Solid	DI Leach	
MB 880-59540/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5036-1 MS	SW01	Soluble	Solid	DI Leach	
890-5036-1 MSD	SW01	Soluble	Solid	DI Leach	

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Eurofins Carlsbad

8/18/2023

QC Association Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

HPLC/IC

Analysis Batch: 59747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5036-1	SW01	Soluble	Solid	300.0	59540
890-5036-2	SW02	Soluble	Solid	300.0	59540
890-5036-3	SW03	Soluble	Solid	300.0	59540
890-5036-4	SW04	Soluble	Solid	300.0	59540
890-5036-5	SW05	Soluble	Solid	300.0	59540
890-5036-6	SW06	Soluble	Solid	300.0	59540
MB 880-59540/1-A	Method Blank	Soluble	Solid	300.0	59540
LCS 880-59540/2-A	Lab Control Sample	Soluble	Solid	300.0	59540
LCSD 880-59540/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59540
890-5036-1 MS	SW01	Soluble	Solid	300.0	59540
890-5036-1 MSD	SW01	Soluble	Solid	300.0	59540

Client Sample ID: SW01 Lab Sample ID: 890-5036-1

Date Collected: 08/03/23 11:00 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			5.04 g	5 mL	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 22:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 21:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:00	CH	EET MID

Client Sample ID: SW02 Lab Sample ID: 890-5036-2

Date Collected: 08/03/23 11:05 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			5.05 g	5 mL	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 23:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 19:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:17	CH	EET MID

Client Sample ID: SW03 Lab Sample ID: 890-5036-3 Date Collected: 08/03/23 11:10 **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	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 23:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 20:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:22	CH	EET MID

Client Sample ID: SW04 Lab Sample ID: 890-5036-4

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	60012	08/12/23 14:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 23:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 15:15	SM	EET MID

Eurofins Carlsbad

Date Collected: 08/03/23 11:15 **Matrix: Solid** Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

Lab Sample ID: 890-5036-4

Matrix: Solid

Client Sample ID: SW04 Date Collected: 08/03/23 11:15 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	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 21:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:28	CH	EET MID

Client Sample ID: SW05 Lab Sample ID: 890-5036-5

Date Collected: 08/03/23 11:20

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			5.00 g	5 mL	60010	08/12/23 14:46	EL	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/14/23 03:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 20:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59540	08/07/23 15:13	KS	EET MIC
Soluble	Analysis	300.0		1			59747	08/09/23 14:34	CH	EET MID

Client Sample ID: SW06 Lab Sample ID: 890-5036-6

Date Collected: 08/03/23 11:25 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	60010	08/12/23 14:46	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/14/23 03:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 20:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:51	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Job ID: 890-5036-1 SDG: Lea County NM

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions

Job ID: 890-5036-1 Project/Site: WEU GM Baterry SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date		
Texas	NE	ELAP	T104704400-23-26	06-30-24		
The following analytes the agency does not of Analysis Method	' '	it the laboratory is not certif Matrix	ed by the governing authority. This list ma	ay include analytes for which		
8015 NM		Solid	Total TPH			
8015 NM 8015B NM	8015NM Prep					

Method Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

Job ID: 890-5036-1

SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

Job ID: 890-5036-1 SDG

6: Lea County NM	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5036-1	SW01	Solid	08/03/23 11:00	08/04/23 16:05	0 - 3
890-5036-2	SW02	Solid	08/03/23 11:05	08/04/23 16:05	0 - 3
890-5036-3	SW03	Solid	08/03/23 11:10	08/04/23 16:05	0 - 3
890-5036-4	SW04	Solid	08/03/23 11:15	08/04/23 16:05	0 - 3
890-5036-5	SW05	Solid	08/03/23 11:20	08/04/23 16:05	0 - 3
890-5036-6	SW06	Solid	08/03/23 11:25	08/04/23 16:05	0 - 3

Received by OCD: 10/4/2023 8:56:29 AM

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:	
WOLK OLDEL ING.	

																r				VV VV VV	xence	7.0011		101
Project Manager:	Erick	Herrera				Bill to: (if	differen	t)								Work Order Comments								
Company Name:	Etech	Environm	ental &	Safety Solu	tions, Inc.	Company Name: Program: UST/PST PRP Brownfield State of Project:								vnfields RR	C Superfund									
Address:	1300	W County	Rd 100			Address	:												•					
City, State ZIP:	Midla	nd, Texas	79711			City, Sta	te ZIP:									_]	Repor	ting: L	evel II	Lev	rel III [PS	T/UST TRP	P Level IV
Phone:	(281)	777-4152			Email:	il: erick@etechevn.com, joseph@etechenv.com									ADaP	Oth	er:							
Project Name:		WELLO	M Batte	nv.	Turr	Around								ANAL	YSIS	REQU	JEST						Preser	vative Codes
Project Number:			8341	,	☑ Routine	☐ Rush		Pres.															None: NO	DI Water: H₂0
Project Location:		ea County		/evico	Due Date:	5 T	ΔΤ	Code															Cool: Cool	MeOH: Me
Sampler's Name:			e Konan		TAT starts the	e day rece	eived by	ys .			300.0												HCL: HC H ₂ S0 ₄ : H ₂	HNO ₃ : HN NaOH: Na
SAMPLE RECE	PT	Temp E	Blank:	Yes No	Wet Ice:	Syes	No	Parameters	21B	8015M/D	00 3		,	1,100		1			1			ı	H₃PO₄: HP	
Samples Received I			No	Thermomet	er ID:	NE	FO	Tall	EPA METHOD 8021B	8	МЕТНОБ			(144)									NaHSO ₄ : NAI	3IS
Cooler Custody Seal	s:	Yes Ne	N/A	Correction F	actor:	-0	. 2	P [욷	МЕТНОБ	M M			1111						1			Na ₂ S ₂ O ₃ : Nas	SO₃
Sample Custody Sea	als:	Yes No	N/A	Temperatur	e Reading:	5	-8		ME I	Æ	- EPA										Zn Acetate+N			
Total Containers:				Corrected T	emperature:	K	- 6		EPA	EPA	9			890-	5036	6 Chain of Custody			bic Acid: SAPC					
Sample ide	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp		втех.	TPH-E	CHLORIDE			-					1	i we		i	Sampl	e Comments
SW	01		s	8/3/2023	11:00	0-3'	С	1	Х	Х	Х												Inc	ident ID:
SW			s	8/3/2023	11:05	0-3'	С	1	Х	Х	Х												nAPP	2228734147
SW	03		s	8/3/2023	11:10	0-3'	С	1	Х	Х	Х													
SW	04		s	8/3/2023	11:15	0-3'	С	1	Х	Х	Х													
SW	05		s	8/3/2023	11:20	0-3'	С	1	Х	Х	Х													
SW	06		s	8/3/2023	11:25	0-3'	С	1	Х	X	Х													
					2																			
				d	100 P																			
																							<u> </u>	
Total 200.7 / 6	010	200.8 / 6	020:	8	RCRA 13	PPM Te	exas 11	AI S	Sb As	Ba	Ве В	Cd C	a Cr	Co C	u Fe	Pb I	Mg M	n Mo	Ni K	Se .	Ag S	iO ₂ N	Na Sr TI Sn	U V Zn
Circle Method(s) a					TCLP / S																		/ 245.1 / 7470	
Notice: Signature of this					stitutes a valid	purchase o	rder fron	client o	ompan	y to Eur	ofins X	enco, its	affiliate	s and su	bcontri	ctors.	lt assig	ns stan	dard ter	ms and	condit	ions		

of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 . 1	Ove GA	8.4.23 KE	5		
3			4		
5			6		
5			6		Revised Date 08/25/2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5036-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 5036 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: 890-5036-1

SDG Number: Lea County NM

List Source: Eurofins Midland

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

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 5036

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	N/A	

Eurofins Carlsbad

Released to Imaging: 1/23/2024 8:13:19 AM

<6mm (1/4").

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

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 272240

CONDITIONS

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	272240
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place. Remaining remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	1/23/2024