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	NAPP2321641080
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

		OGRID 3			
Contact Name Alex Bolanos		Contact T	elephone 832-689-3788		
Contact email Alex@faenergyus.com		Incident #	(assigned by OCD) nAPP2321641080		
			/Y Suite 725, H	louston, TX 770)79
				of Release S	
Latitude 32	.350422	2	Location		-103.333189
			(NAD 83 in dec	cimal degrees to 5 decir	nal places)
Site Name GI	M STATE	BATTERY		Site Type	3attery
Date Release	Discovered	8/11/2022			plicable) 30-025-03401
Unit Letter	Section	Township	Range	Cour	atr.
A	35	22S	35E	LE	·
Surface Owner	r: State	Federal Tr	ribal 🔳 Private (1	_{Vame:} IVIETCHE	ant Livestock
				l Volume of	
	Mataria	1(s) Palaggad (Salagt al			justification for the volumes provided below)
Crude Oil		Volume Release		calculations of specific	Volume Recovered (bbls)
■ Produced	Water	Volume Release	d (bbls) 7 BBLS		Volume Recovered (bbls) 0 BBLS
		Is the concentrat	cion of dissolved c >10,000 mg/l?	hloride in the	☐ Yes ■ No
Condensate Volume Released (bbls)			Volume Recovered (bbls)		
Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)
Cause of Rel	^{ease} Water	r line leak insid	de of containn	nent.	J

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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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	NAPP2321641080
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Forty Acres Energy			OGRID: 3	371416
Contact Name: Britts	ney Storfa		Contact To	elephone: 832-241-8080
Contact email: brittney@faenergyus.com		Incident #	(assigned by OCD): nAPP2321641080	
Contact mailing add	ress: 11757 Katy FWY	Suite 725, Housto	on, TX 77079	
		Location	of Release So	ource
Latitude 32.5	17067			-103.333264
		(NAD 83 in dec	imal degrees to 5 decin	nal places)
Site Name GN	I State Battery		Site Type	Battery
Date Release Discove	ered 8/11/2022		API# (if app	plicable): 30-025-03401
Unit Letter Section	on Township	Range	Cour	<u>ity</u>
L 02	21S	35E	Lea	a
Surface Owner: S	tate 🗌 Federal 🔲 Tı	ribal X Private (N	ame: Merchan	nt Livestock)
		<u> </u>		,
		Nature and	Volume of 1	Release
M	aterial(s) Released (Select al	ll that apply and attach	calculations or specific	; justification for the volumes provided below)
Crude Oil	Volume Release	ed (bbls)	•	Volume Recovered (bbls)
Produced Water	Volume Release	ed (bbls) 7 BBLS		Volume Recovered (bbls) 0 BBLS
	Is the concentrate produced water	tion of dissolved ch >10,000 mg/l?	nloride in the	☐ Yes ☒ No
Condensate	Volume Release			Volume Recovered (bbls)
☐ Natural Gas	Volume Release	ed (Mcf)		Volume Recovered (Mcf)
Other (describe)	Volume/Weight	Released (provide	units)	Volume/Weight Recovered (provide units)
Cause of Release:	·			
Water line leak inside	e of containment			
v ater fine reak mister	e or contaminent.			

Received by OCD: 10/4/2023/9:00:50 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

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Incident ID	NAPP2321641080
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respo	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
Yes No		
103		
If YES, was immediate no	otice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
■ The source of the rele	ease has been stopped.	
■ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	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 please attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investiga	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Alex Bolanos Signature: Alex Bolanos Title: Reg. & Prod Analyst Date: 8/4/2023		
Signature: Alex	Bolanos	Title: Reg. & Prod Analyst Date: 8/4/2023 Telephone: 832-689-3788
email: alex@faen	ergyus.com	Telephone: 832-689-3788
		-
OCD Only		
	7.a11.a	Data: 8/4/2023
Necessed by. Shelly W	rells	Date: 8/4/2023

	Page 4 of 1	18.
: ID	NAPP2321641080	

Incident ID	NAPP2321641080
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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			

erization Report Checklist: Each of the following items must be included in the report.
d site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. data table of soil contaminant concentration data to water determination remination of water sources and significant watercourses within ½-mile of the lateral extents of the release ag or excavation logs or excavation logs or excavation logs or including date and GIS information graphic/Aerial maps ratory data including chain of custody
d ta n

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.

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NAPP2321641080	

Incident ID	NAPP2321641080
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Facility ID	
Application ID	

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

Printed Name: Alex Bolanos

Title:

REG/PROD ANALYST

Date:

12/06/2023

email:

alex@faenergyus.com

Telephone:

(832)689-3788

Date:

Date:

Date:

Date:

Page 6 of 181

Incident ID NAPP2321641080

District RP
Facility ID
Application ID

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	oe included in the plan.
☐ Detailed description of proposed remediation technique ☐ Scaled sitemap with GPS coordinates showing delineation poir ☐ Estimated volume of material to be remediated ☐ Closure criteria is to Table 1 specifications subject to 19.15.29 ☐ Proposed schedule for remediation (note if remediation plan tin	12(C)(4) NMAC
<u>Deferral Requests Only</u> : Each of the following items must be co	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	production equipment where remediation could cause a major facility
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Alex Bolanos	Title: REG/PROD ANALYST
Printed Name: Alex Bolanos Signature: Alex Bolanos	Date: 12/06/2023
email: alex@faenergyus.com	Telephone: 8326893788
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved
Signature: Nelson Velez	Date: 12/22/2023



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**.

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

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

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

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	2,500 mg/kg
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.



LIMITATIONS

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

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (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

Erich #

Joseph S. Hernandez Senior Managing Geologist

Appendix A

CC:

Appendices:

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors

Figure 1C: Site Characterization Map – Karst Potential

Figure 2: Excavation Soil Sample Locations

Figure 3: Delineation Soil Sample Locations

Figure 4: Deferral Area

David Schellstede, Forty Acres Energy

New Mexico Oil Conservation Division

Figure 1: Site Map

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

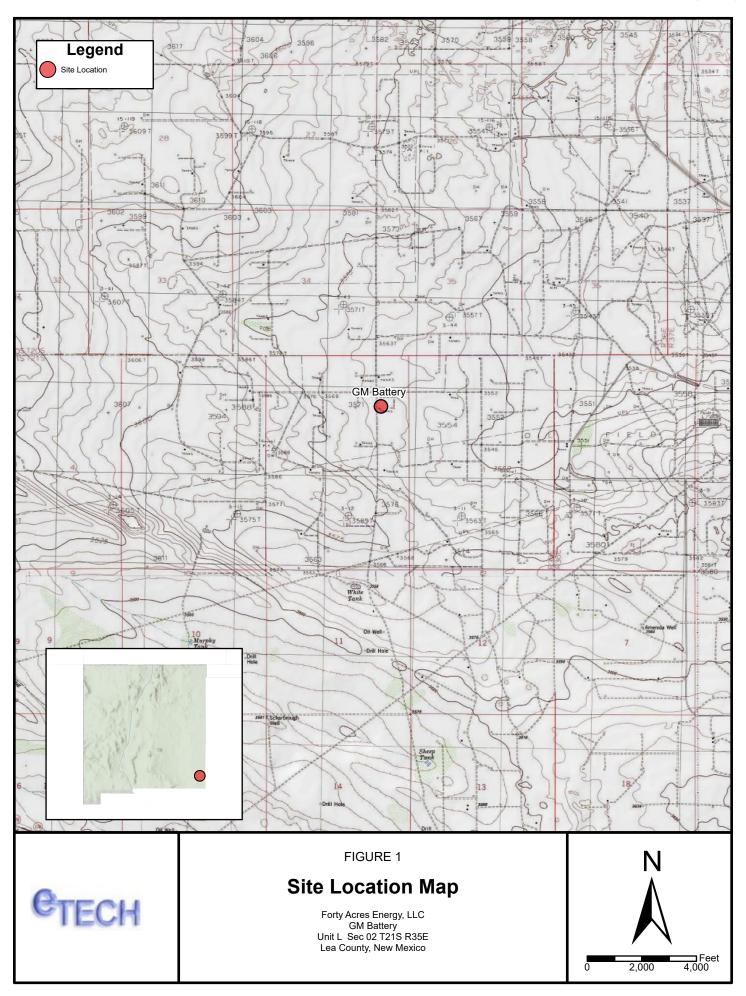
Appendix G NMOCD Notifications

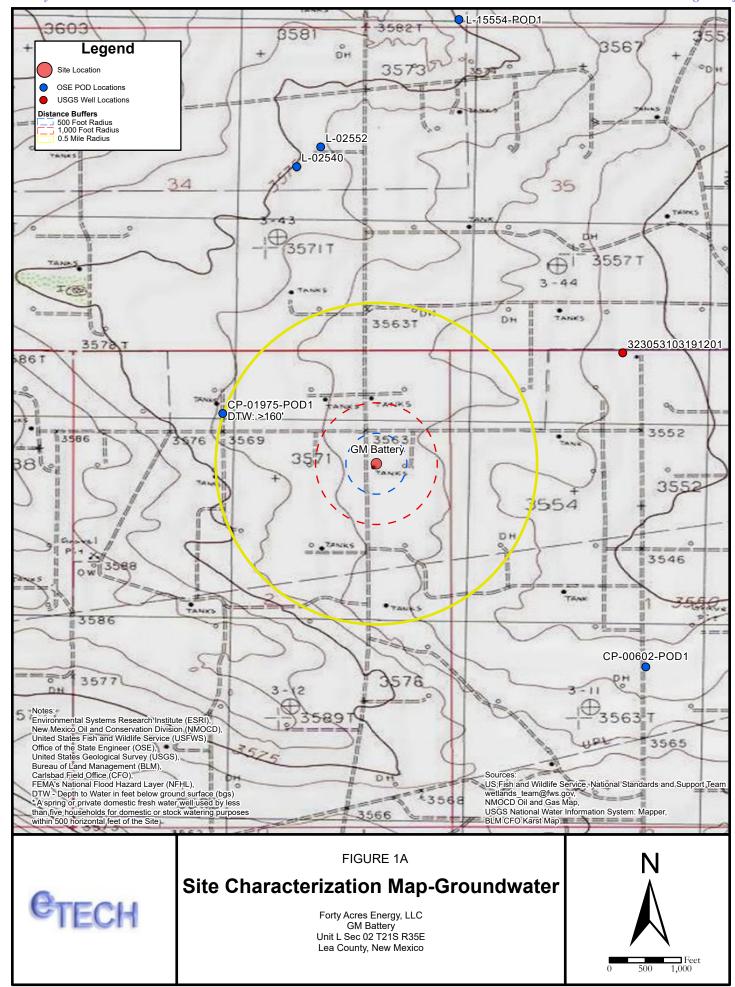
APPENDIX A

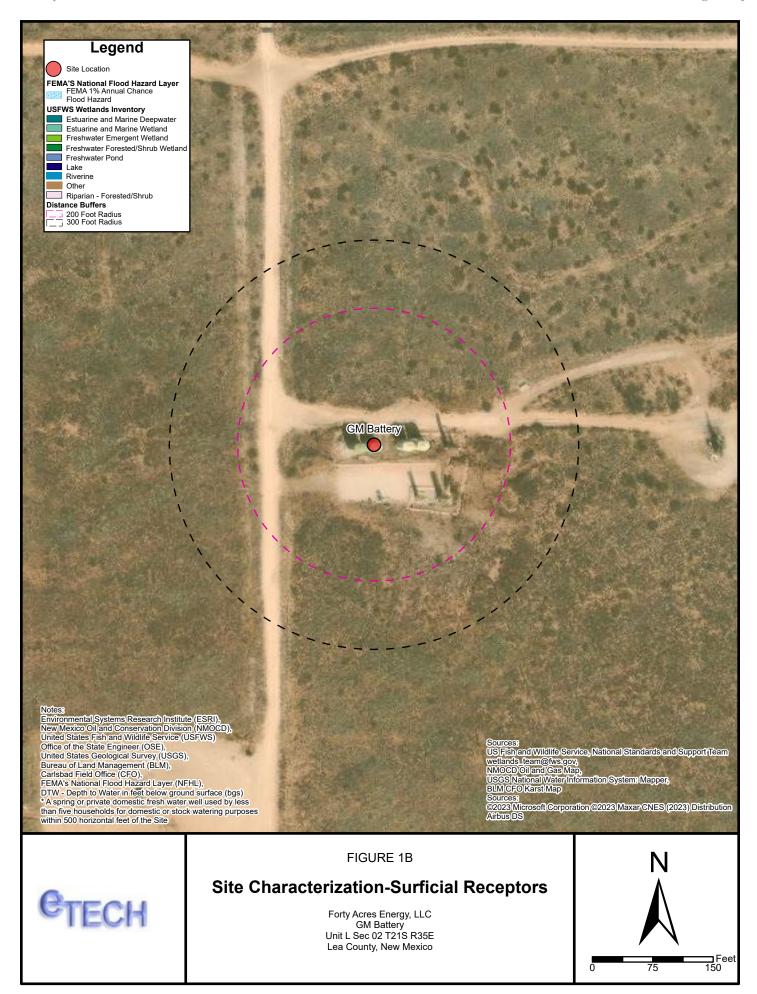
Figures

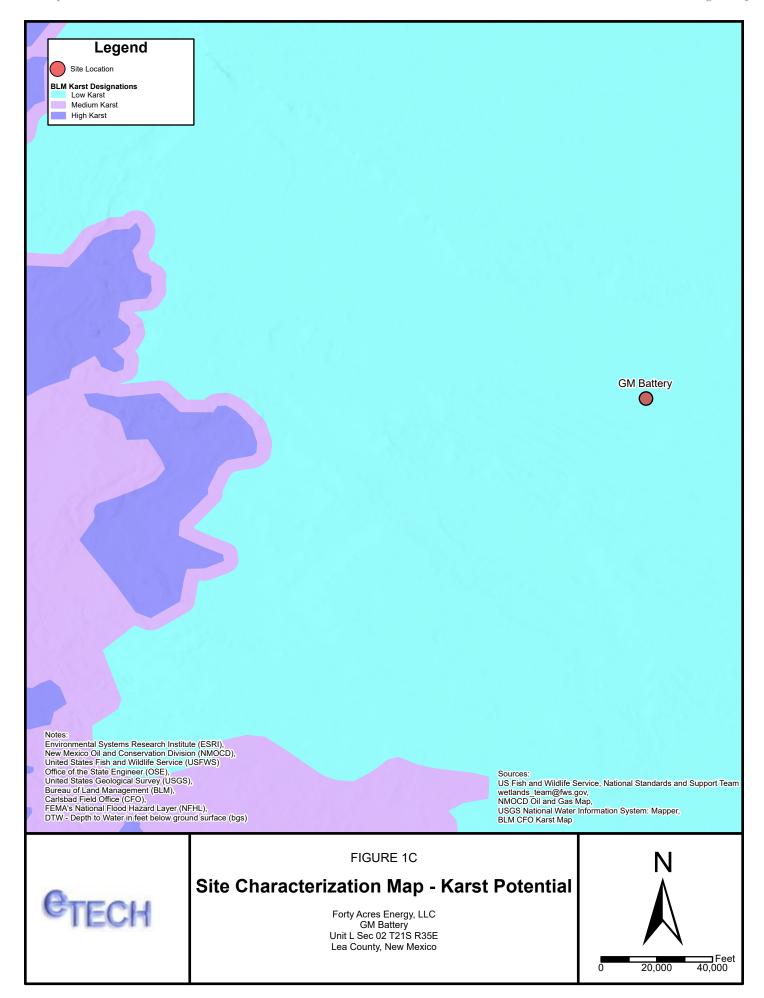
P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213









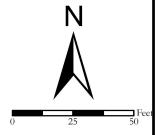






Excavation Soil Sample Locations

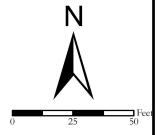
Forty Acres Energy, LLC GM Battery Unit L Sec 02 T21S R35E Lea County, New Mexico

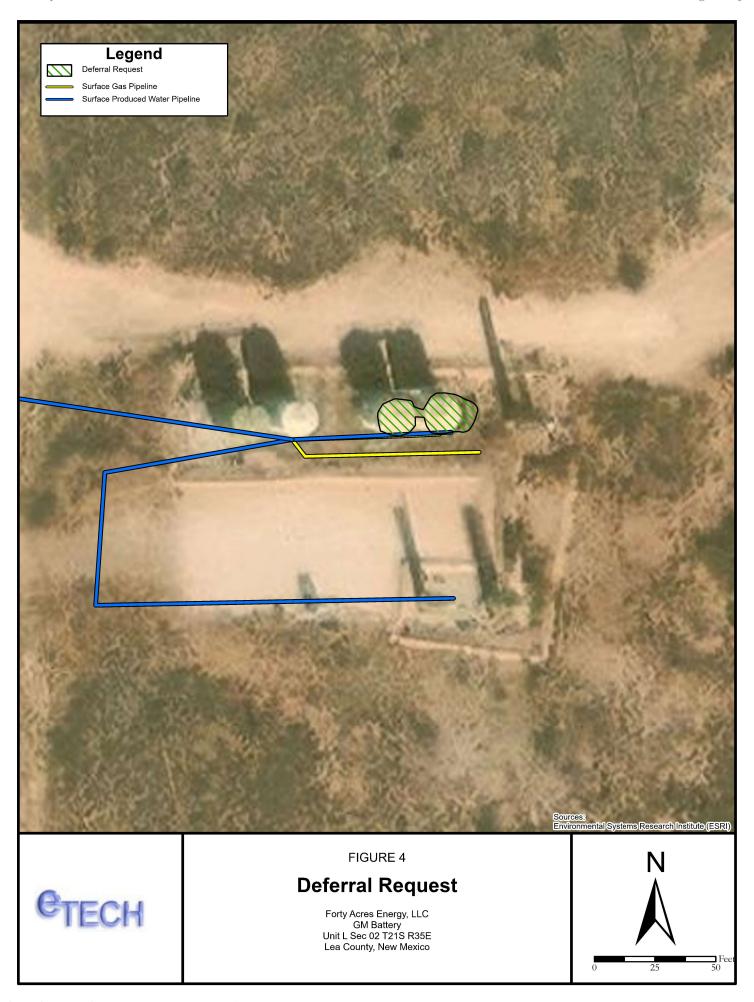






Forty Acres Energy, LLC GM Battery Unit L Sec 02 T21S R35E Lea County, New Mexico





APPENDIX B

Referenced Well Records

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





	OSE POD NO	. (WELL NO	.)		WELL TAG ID NO.			OSE FILE NO(S).					
NOI	POD-1				213A19			CP-1975						
AT.	WELL OWN)					PHONE (OPTION	ONAL)					
)07	Clay Tom	Cooper												
ПП	WELL OWN	ER MAILING	G ADDRESS					CITY		STATE		ZIP		
WE	Box 6							Monument		NM	88265			
ND	WELL		DE	GREES	MINUTES	SECONI								
TA	LOCATIO	N LA	TITUDE	32	31	09.6	5 N	* ACCURACY	REQUIRED: ONE TEN	TH OF A	SECOND			
ERA	(FROM GF	PS)	NGITUDE	103	20	24.7	7 W	* DATUM REG	QUIRED: WGS 84					
GENERAL AND WELL LOCATION	DESCRIPTION	l l	NG WELL LOCATION TO	STREET ADD	RESS AND COMMON	N LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP. RANGE) WH	ERE AV	AILABLE			
1.6								(,	,					
	LICENSE NO		NAME OF LICENSED	DRILLER	D1 C-ff				NAME OF WELL DR					
	183				Boyd Coffey					Coffey D				
	DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT) NA 8-24-2023 8-24-2023 160 160 NA													
	0-2-1-2	8-24-2023 8-24-2023 160 160 NA IPLETED WELL IS: ARTESIAN V DRY HOLE SHALLOW (UNCONFINED) NA STATIC WATER LEVEL IN COMPLETED WELL (FT) NA												
	COMPLETE													
NOI							· · · ·							
CASING INFORMATION	DRILLING F		AIR	✓ MUD HAMME		ES – SPEC								
ORA	DRILLING M	IETHOD:	✓ ROTARY	R – SPECIFY:										
INF	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	O/OR	C/	ASING	CASING	CAS	ING WALL	SLOT		
NG	FROM	TO	DIAM	(include	(include each easing string and CONN			NECTION	INSIDE DIAM.		ICKNESS	SIZE		
ISV			(inches)	DIAM (include each casing strinches) note sections of screen				YPE ling diameter)	(inches)	((inches)	(inches)		
ઝ	0	20	10	GRADE (include each casing string, and				bell	5		sdr 21			
NG	20	100	8.75					bell	5		sdr 21			
DRILLING	100	120	8.75		PVC			bell	5		sdr 21	0.020		
	120	160	8.75		PVC			bell	5		sdr 21			
2.														
												-		
			1	<u> </u>					<u> </u>	<u> </u>		<u> </u>		
. 7	DEPTH	(feet bgl)	BORE HOLE	1	IST ANNULAR SE				AMOUNT		METHO			
IVI	FROM	ТО	DIAM. (inches)	GRA	VEL PACK SIZE-			ERVAL	(cubic feet)		PLACEN			
TEF	0	20	10		3/8 Bentor		lug		8		Pou			
MA	20	160	8.75		3/8 pe	ea gravel			38		Pou	r		
AR														
ANNULAR MATERIAL														
3.														
				1										
FOF	R OSE INTER	NAL USE						WR-2	0 WELL RECORD	& LOG	(Version 04/3	0/19)		

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

FILE NO.

LOCATION

	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	
	108	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		OF WATER-BEARING STRATA:	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		_
TEST; RIG SUPERVISION	MISCELLA	NEOUS INF	FORMATION:			
PER						
ns 5						
; RIG						
EST	PRINT NAM	(E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TH	IAN LICENSEE:
5. T		(3) 01 2.				
SIGNATURE	RECORD O	F THE ABC	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEEN INSTALLED AT	ND THAT THIS
6. S		CICNIAT	LIDE OF DOLL 1	D / DDINT SIGNEE NAME	DATE	
		SIGNAI	UKE OF DKILLE	R / PRINT SIGNEE NAME	DATE	
ΕΩΙ	R OSE INTER	NIAI IICE		WR-20 WE	LL RECORD & LOG (Ve	raion 04/20/2010)

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

Released	to	Imaging:	12/2.	2/2023	8:52:45	AM

FILE NO.

LOCATION

APPENDIX C

Soil Sampling Logs

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| Sample Name: PH01 | 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' |

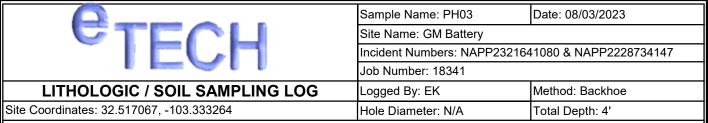
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

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 | 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
D	-440	0.0		DUIGO	0.5	0	SP	(0-4') SAND, dry, light brown, poorly graded, very
Dry	<112	0.0	INO	PH02	0.5	<u>-</u>		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		

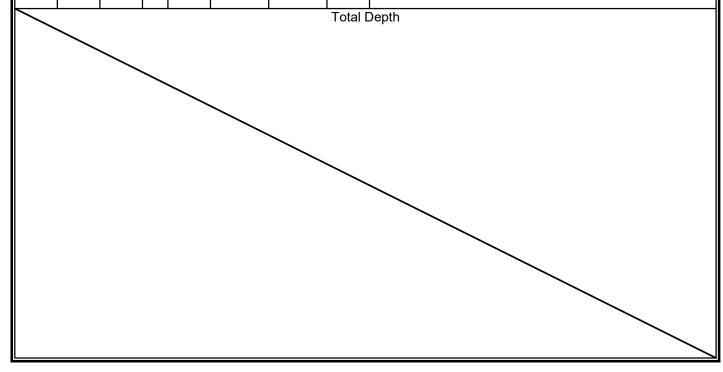


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	No	PH03	0.5	- -	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	PH03	2 _	- _ 2		
-	-	-	-	-	3 _	_ 3		
Dry	<112	0.0	No	PH03	4 _	- _ 4		

Sample Name: PH04 Date: 08/03/2023 Site Name: GM Battery Incident Numbers: NAPP2321641080 & NAPP2228734147 Job Number: 18341 LITHOLOGIC / SOIL SAMPLING LOG Logged By: EK Method: Backhoe Site Coordinates: 32.517067, -103.333264 Hole Diameter: N/A Total Depth: 6' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. **USCS/Rock** Sample ID Sample Depth feet bgs) (feet bgs) Chloride Staining Symbol Content Depth (mdd) (mdd) **Lithologic Descriptions/Notes**

0 CCHE (0-1') Pad surface CALICHE, dry, no staining, no odor. No PH04 <112 3.1 0.5 Dry Dry 284 0.1 1 1 (1-4') SAND, dry, light brown, poorly graded, very No fine to fine grained, trace silt, no staining, no odor. 0.0 No PH04 2 2 Dry 284 3 3 No PH04 Dry <112 0.0 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	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		

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

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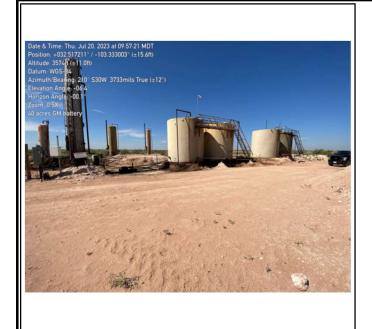


eTECH

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 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW01	08/03/2023	0-3	<0.00198	<0.00397	<50.2	302	<50.2	302	302	1,070
SW02	08/03/2023	0-3	<0.00198	<0.00396	<50.4	684	82.5	767	767	453
SW03	08/03/2023	0-3	<0.00201	<0.00402	<50.0	500	60.2	560	560	527
SW04	08/03/2023	0-3	<0.00202	<0.00403	<49.7	683	64.3	747	747	248
SW05	08/03/2023	0-3	<0.00200	0.0287	<49.8	549	79.1	628	628	993
SW06	08/03/2023	0-3	<0.00201	0.0130	<49.6	685	75.6	761	761	428

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

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

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



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 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 Page 2 of 45

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

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QC Association Summary	28
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Definitions/Glossary

Client: Etech Environmental & Safety Solutions

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

Job ID: 890-5037-1

Qualifiers

GC VOA

Qualifier **Qualifier Description** S1-Surrogate recovery exceeds control limits, low biased. 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.

HPLC/IC

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor**

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) Limit of Quantitation (DoD/DOE) LOQ

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

Method Detection Limit MDL ML Minimum Level (Dioxin) MPN Most Probable Number MOI 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 **Practical Quantitation Limit PQL**

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Job ID: 890-5037-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5037-1

Receipt

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

GC VOA

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

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

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

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

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

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

GC Semi VOA

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

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

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

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

HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59538 and analytical batch 880-59750 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Matrix: Solid

Lab Sample ID: 890-5037-1

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		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Total BTEX	<0.00403 U	0.00403	mg/Kg			08/14/23 15:21	1
Method: SW846 8015 NM - Diesel	Range Organics (DRO) (C	C)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

0.00402

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 11:18	1
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/18/23 20:50	1

·				•	•	
Gasoline Range Organics	<50.3 U	50.3	mg/Kg	08/15/23 16:37	08/18/23 20:50	1
(GRO)-C6-C10						
Diesel Range Organics (Over	<50.3 U	50.3	mg/Kg	08/15/23 16:37	08/18/23 20:50	1
C10-C28)						
OII Range Organics (Over C28-C36)	<50.3 U	50.3	mg/Kg	08/15/23 16:37	08/18/23 20:50	1
Total TPH	<50.3 U	50.3	mg/Kg	08/15/23 16:37	08/18/23 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	08/15/23 16:37	08/18/23 20:50	1
o-Terphenyl	94		70 - 130	08/15/23 16:37	08/18/23 20:50	1
_						

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

Client Sample ID: PH01 Lab Sample ID: 890-5037-2 **Matrix: Solid**

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

Sample Depth: 2

Method: SW846 8021B - Vol	atile Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 22:53	1
Xylenes, Total	< 0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/13/23 22:53	1

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

SDG: Lea County NM

Job ID: 890-5037-1

Client Sample ID: PH01

Sample Depth: 2

Client Sample ID: PH01	Lab Sample ID: 890-5037-2
Date Collected: 08/03/23 11:35	Matrix: Solid
Date Received: 08/04/23 16:05	

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

Method: TAL SOP Total BTE	X - Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/14/23 15:21	1

Method: SW846 8015 NM - Diesel Rang	ge Organ	ics (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/21/23 11:18	1

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)									
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
Total TPH	<50.5	U	50.5		mg/Kg		08/15/23 16:37	08/18/23 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/15/23 16:37	08/18/23 21:57	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Anaiyzea	DII 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
Mothod: EBA 300 0 - Anione Ion Cl	hromatography - Soluble				

method. Et A 000.0 - Amona, for officinatography - octubio										
	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 Matrix: Solid

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	08/13/23 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/13/23 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				08/12/23 14:59	08/13/23 23:18	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/12/23 14:59	08/13/23 23:18	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	П	0.00399		mg/Kg			08/14/23 15:21	

Job ID: 890-5037-1

SDG: Lea County NM

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Client Sample ID: PH01

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

Sample Depth: 4

Lab Sample ID: 890-5037-3

Matrix: Solid

Method: SW846 8015 NM - Diesel Ra	ange Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/21/23 11:18	1
Method: SW846 8015B NM - Diesel I	Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		08/15/23 16:37	08/18/23 22:19	1
C10-C28)									
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 Ch	romatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.3		5.02		mg/Kg			08/09/23 16:35	1

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

Date Collected: 08/03/23 11:45 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	08/13/23 23:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/13/23 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

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

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 15:21	1

Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/21/23 11:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/15/23 16:37	08/18/23 22:41	1

Eurofins Carlsbad

Matrix: Solid

Job ID: 890-5037-1

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery SDG: Lea County NM Lab Sample ID: 890-5037-4

Client Sample ID: PH02

Da Date Received: 08/04/23 16:05

Sample Depth: 0.5

ment Sample ID. F1102	Lab Sample ID. 090-3037-4
ate Collected: 08/03/23 11:45	Matrix: Solid

Method: SW	846 8015B NM - Diesel Range Orga	nics (DRO	(GC) (Continue	ed)				
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 C	hromatograph	ny - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.97		mg/Kg			08/09/23 16:40	1

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

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

Sample Depth: 2

C10-C28)

Total TPH

Surrogate

o-Terphenyl

1-Chlorooctane

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
,									
	- Total BTFX Cald	culation							
Method: TAL SOP Total BTEX		culation Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX		Qualifier	RL 0.00396	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 15:21	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	<0.00396	Qualifier U	0.00396	MDL		<u>D</u>	Prepared		Dil Fac
Method: TAL SOP Total BTEX Analyte	Result <0.00396	Qualifier U	0.00396			<u>D</u>	Prepared Prepared		1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies	Result <0.00396	Qualifier U ics (DRO) (0.00396 GC)		mg/Kg			08/14/23 15:21	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Result <0.00396 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	0.00396 GC) RL 50.0		mg/Kg			08/14/23 15:21 Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Result <0.00396 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	0.00396 GC) RL 50.0	MDL	mg/Kg			08/14/23 15:21 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies	Result <0.00396 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U nics (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 Dil Fac 1 Dil Fac

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08/18/23 23:04

08/18/23 23:04

Analyzed

08/18/23 23:04

08/18/23 23:04

50.0

50.0

Limits

70 - 130

70 - 130

mg/Kg

mg/Kg

08/15/23 16:37

08/15/23 16:37

Prepared

08/15/23 16:37

08/15/23 16:37

Dil Fac

<50.0 U

<50.0 U

%Recovery Qualifier

109

141 S1+

OII Range Organics (Over C28-C36)

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Client Sample ID: PH02

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

Sample Depth: 2

Lab Sample ID: 890-5037-5

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Method: EPA 300.0 - Anions, Ion C	hromatography - 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 **Matrix: Solid**

Date Collected: 08/03/23 11:55 Date Received: 08/04/23 16:05

Sample Depth: 4

Total TPH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				08/12/23 14:59	08/14/23 00:34	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/12/23 14:59	08/14/23 00:34	1

Total BTEX	<0.00402 U	0.00402	mg/Kg			08/14/23 15:21	1
Method: SW846 8015 NM - Diesel R	ange Organics (DRO)	(GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

49.9

MDL Unit

mg/Kg

Prepared

Analyzed

08/21/23 11:18

Result Qualifier

<49.9 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1
Total TPH	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/18/23 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/15/23 16:37	08/18/23 23:26	1
o-Terphenyl	100		70 - 130				08/15/23 16:37	08/18/23 23:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	143	4.98	mg/k			08/09/23 17:03	1	

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-7

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Date Collected: 08/03/23 12:00 Date Received: 08/04/23 16:05

Client Sample ID: PH03

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 00:59	
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 00:59	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 00:59	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130				08/12/23 14:59	08/14/23 00:59	-
1,4-Difluorobenzene (Surr)	89		70 - 130				08/12/23 14:59	08/14/23 00:59	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/23 15:21	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.6	U	49.6		mg/Kg			08/21/23 11:18	
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	-
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	•
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	
Total TPH	<49.6	U	49.6		mg/Kg		08/15/23 16:37	08/18/23 23:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	122	-	70 - 130				08/15/23 16:37	08/18/23 23:49	
o-Terphenyl	96		70 - 130				08/15/23 16:37	08/18/23 23:49	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
A I. d.	Popult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Qualifier	NL.	MIDE	Oilit		riepaieu	Allalyzou	Diria

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

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

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1		
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1		
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1		
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/14/23 01:24	1		
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 01:24	1		
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/12/23 14:59	08/14/23 01:24	1		

Eurofins Carlsbad

Matrix: Solid

SDG: Lea County NM

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Date Collected: 08/03/23 12:05

Date Collected: 08/03/23 12:05

Date Received: 08/04/23 16:05

Sample Depth: 2

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00401</td>
 U
 0.00401
 mg/Kg
 I
 0.8/14/23 15:21
 1

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

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <49.6</td>
 U
 49.6
 mg/Kg
 08/21/23 11:18
 1

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: PH03

Date Collected: 08/03/23 12:10

Result Qualifier

<0.00402 U

Date Received: 08/04/23 16:05

Sample Depth: 4

Analyte

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 01:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				08/12/23 14:59	08/14/23 01:50	1
1,4-Difluorobenzene (Surr)	119		70 ₋ 130				08/12/23 14:59	08/14/23 01:50	1

RL

0.00402

MDL Unit

mg/Kg

Prepared

_ _ _ . . .

Analyzed

08/14/23 15:21

Lab Sample ID: 890-5037-9

Matrix: Solid

Dil Fac

Job ID: 890-5037-1

3

5

7

0

10

12

15

Job ID: 890-5037-1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery SDG: Lea County NM Lab Sample ID: 890-5037-9 **Client Sample ID: PH03**

Date Collected: 08/03/23 12:10 Date Received: 08/04/23 16:05

Sample Depth: 4

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/21/23 11:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 16:37	08/19/23 00:34	1
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 Ch	romatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		5.03		mg/Kg			08/09/23 17:22	1

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

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

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	
Toluene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 02:15	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/12/23 14:59	08/14/23 02:15	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/23 14:59	08/14/23 02:15	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/12/23 14:59	08/14/23 02:15	
			70 100				00/10/00 11 50	08/14/23 02:15	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - T Analyte Total BTEX		Qualifier	70 - 130 RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	08/12/23 14:59 Prepared	Analyzed 08/14/23 15:21	
Method: TAL SOP Total BTEX - T Analyte	Cotal BTEX Calc	Qualifier U	RL	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX - T Analyte Total BTEX	Total BTEX Calc Result <0.00398	Qualifier U	RL			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - T Analyte Total BTEX Method: SW846 8015 NM - Diese	Total BTEX Calc Result <0.00398	Qualifier U	RL		mg/Kg		Prepared	Analyzed 08/14/23 15:21	Dil Fac
Method: TAL SOP Total BTEX - T Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Cotal BTEX Calc Result <0.00398 Il Range Organ Result 96.2	Qualifier U ics (DRO) (C	RL 0.00398 GC) RL 50.4		mg/Kg		Prepared	Analyzed 08/14/23 15:21 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - T Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Total BTEX Calc Result <0.00398 Il Range Organ Result 96.2 Seel Range Orga	Qualifier U ics (DRO) (C	RL 0.00398 GC) RL 50.4		mg/Kg Unit mg/Kg		Prepared	Analyzed 08/14/23 15:21 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - T Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Total BTEX Calc Result <0.00398 Il Range Organ Result 96.2 Seel Range Orga	Qualifier U ics (DRO) (CQualifier nics (DRO) Qualifier	RL 0.00398 GC) RL 50.4	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/14/23 15:21 Analyzed 08/21/23 11:18	Dil Fac
Method: TAL SOP Total BTEX - T Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	rotal BTEX Calc Result <0.00398 Il Range Organ Result 96.2 sel Range Orga Result <50.4	Qualifier U ics (DRO) (CQualifier nics (DRO) Qualifier	RL 0.00398 GC) RL 50.4 (GC) RL 50.4	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 08/15/23 16:37	Analyzed 08/14/23 15:21 Analyzed 08/21/23 11:18 Analyzed 08/19/23 04:21	Dil Fac
Method: TAL SOP Total BTEX - T Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	rotal BTEX Calc Result <0.00398 Il Range Organ Result 96.2 sel Range Orga Result	Qualifier U ics (DRO) (CQualifier nics (DRO) Qualifier	RL 0.00398 GC) RL 50.4 (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

Client Sample Results

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

Date Received: 08/04/23 16:05

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Sample Depth: 0.5

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 C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.0		4.99		mg/Kg			08/09/23 17:28	1

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

Date Collected: 08/03/23 12:30

Matrix: Solid

Date Received: 08/04/23 16:05

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/12/23 14:59	08/14/23 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				08/12/23 14:59	08/14/23 03:56	1
1,4-Difluorobenzene (Surr)	129		70 - 130				08/12/23 14:59	08/14/23 03:56	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	П	0.00399		mg/Kg			08/14/23 15:21	1
IOIAI DI LA	VO.00000	U	0.00399		ilig/Ng			06/14/23 13.21	
• •					ilig/Kg			06/14/23 13.21	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDI			Doggan		·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (C	GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (C	GC)	MDL		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	Range Organ Result <50.5	ics (DRO) (C	GC) RL 50.5	MDL	Unit	<u>D</u>	Prepared	Analyzed	·
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.5 sel Range Organ	ics (DRO) (C	GC) RL 50.5		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 <50.5 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 50.5		Unit mg/Kg	=	<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	el Range Organ Result <50.5 sel Range Orga Result	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.5		Unit mg/Kg	=	Prepared	Analyzed 08/21/23 11:18 Analyzed	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 C10-C28)	el Range Organ Result <50.5 sel Range Orga Result <50.5	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.5 (GC) RL 50.5		Unit mg/Kg Unit mg/Kg	=	Prepared 08/15/23 16:37	Analyzed 08/21/23 11:18 Analyzed 08/19/23 00:57	Dil Fac 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 <50.5 sel Range Orga Result <50.5 <50.5	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 50.5 (GC) RL 50.5 50.5		Unit mg/Kg Unit mg/Kg mg/Kg	=	Prepared 08/15/23 16:37 08/15/23 16:37	Analyzed 08/21/23 11:18 Analyzed 08/19/23 00:57 08/19/23 00:57	Dil Fac 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 C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <50.5 sel Range Orga Result <50.5 <50.5 <50.5	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U U	GC) RL 50.5 (GC) RL 50.5 50.5 50.5		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	=	Prepared 08/15/23 16:37 08/15/23 16:37 08/15/23 16:37	Analyzed 08/21/23 11:18 Analyzed 08/19/23 00:57 08/19/23 00:57	Dil Fac Dil Fac 1 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) Total TPH	el Range Organ	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U U	GC) RL 50.5 (GC) RL 50.5 50.5 50.5 50.5		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	=	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 08/19/23 00:57 08/19/23 00:57 08/19/23 00:57	Dil Fac Dil Fac 1 1 1 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: 890-5037-11

Client Sample ID: PH04

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

Sample Depth: 2

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

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

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

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				08/12/23 14:59	08/14/23 04:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/12/23 14:59	08/14/23 04:21	1

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

Method: SW846 8015 NM - Diesel I	Range Organics (DRO) (G	C)					
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

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery SDG: Lea County NM Lab Sample ID: 890-5037-13

Client Sample ID: PH05

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

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:59	08/14/23 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/12/23 14:59	08/14/23 04:46	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/12/23 14:59	08/14/23 04:46	1
- Method: TAL SOP Total BTEX	(- Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result < 0.00402		RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 15:21	Dil Fac
	<0.00402	U	0.00402	MDL		<u>D</u>	Prepared		Dil Fac
Total BTEX	<0.00402	U	0.00402	MDL		<u>D</u>	Prepared Prepared		1
Total BTEX Method: SW846 8015 NM - Di	<0.00402	ics (DRO) (Qualifier	0.00402 GC)		mg/Kg	<u> </u>		08/14/23 15:21	1
Total BTEX Method: SW846 8015 NM - Di Analyte	<0.00402 esel Range Organ Result <50.0	ics (DRO) ((Qualifier	0.00402 GC) RL 50.0		mg/Kg	<u> </u>		08/14/23 15:21 Analyzed	1
Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH	<0.00402 esel Range Organ Result <50.0 Diesel Range Organ	ics (DRO) ((Qualifier	0.00402 GC) RL 50.0		mg/Kg	<u> </u>		08/14/23 15:21 Analyzed	Dil Fac Dil Fac 1 Dil Fac

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

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	I 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

Matrix: Solid

Method: SW846 8021B - Volatile (Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1		
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1		
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1		
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 05:12	1		
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:12	1		
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/23 14:59	08/14/23 05:12	1		

Matrix: Solid

Lab Sample ID: 890-5037-14

Lab Sample ID: 890-5037-15

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

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

Client Sample ID: PH05

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

Sample Depth: 2

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 D Dil Fac Unit 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

Total BTEX

		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
<0.00202	U	0.00202		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
<0.00403	U	0.00403		mg/Kg		08/12/23 14:59	08/14/23 05:37	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
124		70 - 130				08/12/23 14:59	08/14/23 05:37	1
82		70 - 130				08/12/23 14:59	08/14/23 05:37	1
	<0.00202 <0.00202 <0.00403 <0.00202 <0.00403 %Recovery 124	<0.00202 U <0.00202 U <0.00403 U <0.00202 U <0.00403 U <0.00403 U $$	<0.00202 U 0.00202 <0.00202 U 0.00202 <0.00403 U 0.00403 <0.00202 U 0.00202 <0.00403 U 0.00403	<pre><0.00202 U</pre>	<0.00202	<0.00202	<0.00202	<0.00202

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08/14/23 15:21

0.00403

mg/Kg

<0.00403 U

Job ID: 890-5037-1

Job ID: 890-5037-1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery SDG: Lea County NM Lab Sample ID: 890-5037-15

Client Sample ID: PH05

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

Sample Depth: 4

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	137		50.3		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	<50.3	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 Ch	romatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		4.99		mg/Kg			08/09/23 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/23 14:59	08/14/23 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				08/12/23 14:59	08/14/23 06:03	1
1,4-Difluorobenzene (Surr)	83		70 - 130				08/12/23 14:59	08/14/23 06:03	1
Method: TAL SOP Total BTEX - Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX	Result <0.00396	Qualifier U	0.00396	MDL	Unit mg/Kg	<u>D</u>		Analyzed 08/14/23 15:21	Dil Fac
Method: TAL SOP Total BTEX - Analyte	Result <0.00396 el Range Organ	Qualifier U	0.00396			<u>D</u>			1
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00396 el Range Organ	Qualifier U ics (DRO) (Comparison of the property of the prope	0.00396 GC)		mg/Kg		Prepared	08/14/23 15:21	1
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00396 el Range Organ Result <50.2	Qualifier U ics (DRO) (Qualifier U	0.00396 GC) RL 50.2		mg/Kg		Prepared	08/14/23 15:21 Analyzed	1
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <pre></pre> <pre>Result </pre> <pre><50.2</pre> <pre>sel Range Organ</pre>	Qualifier U ics (DRO) (Qualifier U	0.00396 GC) RL 50.2	MDL	mg/Kg		Prepared	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	Result <pre></pre> <pre>Result </pre> <pre><50.2</pre> <pre>sel Range Organ</pre>	Qualifier U ics (DRO) (Compared to the property of the proper	0.00396 GC) RL 50.2	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	08/14/23 15:21 Analyzed 08/21/23 11:18	Dil Fac
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	Result <pre></pre> <pre> <pre></pre></pre>	Qualifier U ics (DRO) (Compared to the property of the proper	0.00396 GC) RL 50.2 (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	Dil Fac

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Matrix: Solid

Client Sample Results

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 NM - Diesel Range Organics (DRO) (GC) (Continued)

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	08/15/23 16:37	08/19/23 02:29	1
o-Terphenyl	98		70 - 130	08/15/23 16:37	08/19/23 02:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.4	5.00	mg/Kg			08/09/23 18:35	1

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

Sample Depth: 2

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

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/21/23 11:18	1

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

		(=) (,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1
Total TPH	<50.2	U	50.2		mg/Kg		08/15/23 16:37	08/19/23 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	08/15/23 16:3	7 08/19/23 02:51	1
o-Terphenyl	87		70 - 130	08/15/23 16:3	7 08/19/23 02:51	1

Job ID: 890-5037-1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

SDG: Lea County NM Lab Sample ID: 890-5037-17

Client Sample ID: PH06

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

Client Sample ID: PH06 Lab Sample ID: 890-5037-18 **Matrix: Solid**

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

Sample Depth: 4

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

	II DIEK Gaic							
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/k	(g		08/14/23 15:21	1
_	Fotal BTEX	Total BTEX <0.00400	Fotal BTEX <0.00400 U	Total BTEX <0.00400 U 0.00400		Fotal BTEX <0.00400 U 0.00400 mg/Kg		

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

Method: SW846 8015B NM - Dies Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 16:37	08/19/23 03:13	1
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-Ternhenyl	07		70 130				08/15/23 16:37	08/10/23 03:13	1

		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

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

		DED4	DED74	Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5037-1 890-5037-1 MS	PH01 PH01	112 106	87 86	
890-5037-1 MSD		90	69 S1-	
	PH01			
890-5037-2	PH01	127	91	
890-5037-3	PH01	123	72	
390-5037-4	PH02	114	81	
390-5037-5	PH02	131 S1+	85	
390-5037-6	PH02	140 S1+	102	
890-5037-7	PH03	103	89	
390-5037-8	PH03	111	75	
390-5037-9	PH03	130	119	
890-5037-10	PH04	106	114	
390-5037-11	PH04	150 S1+	129	
890-5037-12	PH04	137 S1+	94	
390-5037-13	PH05	98	72	
390-5037-14	PH05	131 S1+	94	
390-5037-15	PH05	124	82	
390-5037-16	PH06	123	83	
390-5037-17	PH06	131 S1+	77	
390-5037-18	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	

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)	
890-5037-1	PH01	115	94	
890-5037-1 MS	PH01	123	92	
890-5037-1 MSD	PH01	122	90	
890-5037-2	PH01	110	89	
890-5037-3	PH01	109	88	
890-5037-4	PH02	118	94	
890-5037-5	PH02	141 S1+	109	
890-5037-6	PH02	125	100	
890-5037-7	PH03	122	96	
890-5037-8	PH03	120	95	
890-5037-9	PH03	146 S1+	114	
890-5037-10	PH04	132 S1+	105	
890-5037-11	PH04	130	103	
890-5037-12	PH04	126	98	
890-5037-13	PH05	100	80	

OTPH = o-Terphenyl

Surrogate Summary

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)

Matrix: Solid Prep Type: Total/NA

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	MR							
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

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

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

Matrix: Solid

Analysis Batch: 60005

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60013

	IIID	III.D							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/23 14:59	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

мв мв

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

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1.4-Difluorobenzene (Surr)	69	S1-	70 - 130

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

Matrix: Solid

Analysis Batch: 60005

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

Prep Type: Total/NA

Prep Batch: 60013

	Бріке	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1184	mg/Kg		118	70 - 130	4	35

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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 %Rec Limits **RPD** Limit Toluene 0.100 0.1239 70 - 130 35 mg/Kg 124 22 Ethylbenzene 0.100 0.1276 mg/Kg 128 70 - 130 35 0.200 m-Xylene & p-Xylene 0.2443 mg/Kg 122 70 - 130 6 35 o-Xylene 0.100 0.1218 mg/Kg 122 70 - 130 5

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

7 many one Battern evere											
	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

Surroyate	70Necovery	Qualifier	Liiiits
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

мв мв Result Qualifier RL MDL Unit Prepared Gasoline Range Organics <50.0 U 50.0 08/15/23 16:37 08/18/23 19:44 mg/Kg (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

	MB				МВ					
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)										
Oll 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

Matrix: Solid

Analysis Batch: 60520

Prep Type: Total/NA

Prep Batch: 60321

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

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: I ah Con	trol Sample [าแก

Prep Type: Total/NA

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

Analysis Batch: 60520

Client Sample ID: PH01

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 Surrogate Limits 1-Chlorooctane 70 - 130 123

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)

<50.3 U

мв мв

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

o-Terphenyl 92 70 - 130

Limits

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

944.8

mg/Kg

94

70 - 130

993

Diesel Range Organics (Over 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

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

Released to Imaging: 12/22/2023 8:52:45 AM

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

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20

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 Limit Analyte Added Result Qualifier Unit Limits **RPD** 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 Batc
890-5037-1	PH01	Total/NA	Solid	5035	
890-5037-2	PH01	Total/NA	Solid	5035	
890-5037-3	PH01	Total/NA	Solid	5035	
890-5037-4	PH02	Total/NA	Solid	5035	
890-5037-5	PH02	Total/NA	Solid	5035	
890-5037-6	PH02	Total/NA	Solid	5035	
890-5037-7	PH03	Total/NA	Solid	5035	
890-5037-8	PH03	Total/NA	Solid	5035	
390-5037-9	PH03	Total/NA	Solid	5035	
890-5037-10	PH04	Total/NA	Solid	5035	
890-5037-11	PH04	Total/NA	Solid	5035	
890-5037-12	PH04	Total/NA	Solid	5035	
890-5037-13	PH05	Total/NA	Solid	5035	
390-5037-14	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 Batch
890-5037-1	PH01	Total/NA	Solid	Total BTEX	
890-5037-2	PH01	Total/NA	Solid	Total BTEX	
890-5037-3	PH01	Total/NA	Solid	Total BTEX	
890-5037-4	PH02	Total/NA	Solid	Total BTEX	
890-5037-5	PH02	Total/NA	Solid	Total BTEX	
890-5037-6	PH02	Total/NA	Solid	Total BTEX	
890-5037-7	PH03	Total/NA	Solid	Total BTEX	
890-5037-8	PH03	Total/NA	Solid	Total BTEX	
890-5037-9	PH03	Total/NA	Solid	Total BTEX	
890-5037-10	PH04	Total/NA	Solid	Total BTEX	
890-5037-11	PH04	Total/NA	Solid	Total BTEX	
890-5037-12	PH04	Total/NA	Solid	Total BTEX	
890-5037-13	PH05	Total/NA	Solid	Total BTEX	
890-5037-14	PH05	Total/NA	Solid	Total BTEX	
890-5037-15	PH05	Total/NA	Solid	Total BTEX	
890-5037-16	PH06	Total/NA	Solid	Total BTEX	
890-5037-17	PH06	Total/NA	Solid	Total BTEX	
890-5037-18	PH06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
390-5037-1	PH01	Total/NA	Solid	8015NM Prep	
390-5037-2	PH01	Total/NA	Solid	8015NM Prep	
390-5037-3	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	
90-5037-8	PH03	Total/NA	Solid	8015NM Prep	
390-5037-9	PH03	Total/NA	Solid	8015NM Prep	
390-5037-10	PH04	Total/NA	Solid	8015NM Prep	
390-5037-11	PH04	Total/NA	Solid	8015NM Prep	
90-5037-12	PH04	Total/NA	Solid	8015NM Prep	
90-5037-13	PH05	Total/NA	Solid	8015NM Prep	
390-5037-14	PH05	Total/NA	Solid	8015NM Prep	
90-5037-15	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 Batcl
890-5037-1	PH01	Total/NA	Solid	8015 NM	_
890-5037-2	PH01	Total/NA	Solid	8015 NM	
890-5037-3	PH01	Total/NA	Solid	8015 NM	
890-5037-4	PH02	Total/NA	Solid	8015 NM	
890-5037-5	PH02	Total/NA	Solid	8015 NM	
890-5037-6	PH02	Total/NA	Solid	8015 NM	
890-5037-7	PH03	Total/NA	Solid	8015 NM	
890-5037-8	PH03	Total/NA	Solid	8015 NM	
890-5037-9	PH03	Total/NA	Solid	8015 NM	
890-5037-10	PH04	Total/NA	Solid	8015 NM	
890-5037-11	PH04	Total/NA	Solid	8015 NM	
890-5037-12	PH04	Total/NA	Solid	8015 NM	
890-5037-13	PH05	Total/NA	Solid	8015 NM	
890-5037-14	PH05	Total/NA	Solid	8015 NM	
890-5037-15	PH05	Total/NA	Solid	8015 NM	
890-5037-16	PH06	Total/NA	Solid	8015 NM	
390-5037-17	PH06	Total/NA	Solid	8015 NM	
390-5037-18	PH06	Total/NA	Solid	8015 NM	

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Client: Etech Environmental & Safety Solutions

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

HPLC/IC

Leach Batch: 59538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
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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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

Matrix: Solid

Job ID: 890-5037-1

SDG: Lea County NM

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 22:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 20:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:12	CH	EET MID

Client Sample ID: PH01 Lab Sample ID: 890-5037-2

Date Collected: 08/03/23 11:35

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

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

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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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 Lab Sample ID: 890-5037-4

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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

Client Sample ID: PH02 Date Collected: 08/03/23 11:45 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	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	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 00:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/18/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 16:46	CH	EET MID

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

Date Collected: 08/03/23 11:55 Date Received: 08/04/23 16:05 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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 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			4.95 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

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Matrix: Solid

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Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5037-7

Client Sample ID: PH03

Date Collected: 08/03/23 12:00 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	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

Lab Sample ID: 890-5037-8

Matrix: Solid

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

Client Sample ID: PH03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 01:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 00:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:15	CH	EET MID

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

Date Collected: 08/03/23 12:10 Date Received: 08/04/23 16:05

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 01:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 00:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:22	CH	EET MID

Client Sample ID: PH04

Date Collected: 08/03/23 12:20

Date Received: 08/04/23 16:05

Lab Sample ID: 890-5037-10

Matrix: Solid

	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

Date Received: 08/04/23 16:05

Lab Chronicle

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

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			5.01 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 03:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 00:57	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 17:35	CH	EET MID

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

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

Date Received: 08/04/23 16:05

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 60013 08/12/23 14:59 EL EET MID Total/NA 8021B **EET MID** Analysis 1 5 mL 5 mL 60005 08/14/23 04:21 SM Total/NA Total BTEX 60136 08/14/23 15:21 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 60712 08/21/23 11:18 SM **EET MID** Total/NA 60321 Prep 8015NM Prep 10.06 g 10 mL 08/15/23 16:37 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 60520 08/19/23 03:35 SM **EET MID** Soluble Leach DI Leach 4.97 g 50 mL 59538 08/07/23 15:08 KS **EET MID** Soluble Analysis 300.0 59750 08/09/23 17:55 СН **EET MID**

Client Sample ID: PH05 Lab Sample ID: 890-5037-13 Date Collected: 08/03/23 12:50

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	60013	08/12/23 14:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/14/23 04:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:02	CH	EET MID

Client Sample ID: PH05 Lab Sample ID: 890-5037-14

Date Collected: 08/03/23 13:00 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

Matrix: Solid

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

u	Gampio	 000	0001	
		Ma	trix: So	olid

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

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

Client Sample ID: PH05

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	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 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	08/14/23 06:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60136	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60712	08/21/23 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60321	08/15/23 16:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60520	08/19/23 02:51	SM	EET MID

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Matrix: Solid

Released to Imaging: 12/22/2023 8:52:45 AM

Job ID: 890-5037-1

SDG: Lea County NM

Lab Chronicle

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

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	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	59538	08/07/23 15:08	KS	EET MID
Soluble	Analysis	300.0		1			59750	08/09/23 18:42	CH	EET MID

Client Sample ID: PH06 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	Туре	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

Eurofins Carlsbad

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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		Program	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 certif	ied by the governing authority. This list ma	ay include analytes for which				
Analysis Method	Prep Method	Matrix	Analyte					
8015 NM		Solid	Total TPH					
8015B NM	8015NM Prep	Solid	Total TPH					

Method Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Method **Method Description** Protocol Laboratory 8021B Volatile Organic Compounds (GC) SW846 EET MID **Total BTEX Calculation** Total BTEX 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 **EET MID** Closed System Purge and Trap SW846 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: 890-5037-1 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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Received by OCD: 10/4/2023 9:00:50 AM

Revised Date 06/25/2020 Rev 2020 2

Environment Testing

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Chain of Custody

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

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Project Manager:	Frick	Herrera		Bill to: (if different)										7 [Work Order Comments														
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Address:		W County																						ıv [
City, State ZIP:		nd, Texas				City, Sta					- 4 la c					Deliverables: EDD ADaPT Other:													
Phone:](281).	777-4152			Email:	епск@е	tecne	vn.con	ı, jose	, joseph@etechenv.com																_			
Project Name:		WEU	GM Batte	ery	Turr	Around		Pres.	ANALYSIS RE							REQ	JES1		_				\rightarrow	Preservative Codes					
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Revised Date 08/25/2020 Rev 2020 2

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Chain of Custody

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Project Manager:	Erick	Неггега				Bill to: (if	differen	nt)								_				N	ork C	order (Comments		
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City, State ZIP:	Midla	nd, Texas	79711			City, Sta	te ZIP:										Reporting: Level II								
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SAMPLE RECE	IPT	PT Temp Blank: Yes No.			Wet Ice:			Parameters	EPA METHOD 8021B	METHOD 8015M/D	EPA METHOD 300.0									ĺ			H₃PO₄: HP		
Samples Received I	ntact:	Yes		Thermomet	er IDI			Ta L	8	8	Ĕ						1						NaHSO4: NA	ABIS	
Cooler Custody Seals: Yes Ne			N/A	Correction F	autor:			Pa	욷	무	₹												Na ₂ S ₂ O ₃ : Na	aSO ₃	
Sample Custody Seals:		Yes No	N/A	Temperatur	e Reading.				W	F			1										Zn Acetate+	NaOH: Zn	
			Corrected T	emperature:	:1			EPA	EPA I									1				NaOH+Asco	orbic Acid: SAPC		
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Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

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

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Login Number: 5037 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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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

Creator: Rodriguez, Leticia

Login Number: 5037

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	

Euronnis Carisbau

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<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 9:58:58 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

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: 890-5043-1 SDG: Lea County NM

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions

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

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

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

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 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 **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

Job ID: 890-5043-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5043-1

Receipt

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

GC VOA

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

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

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

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

GC Semi VOA

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

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

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

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

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

HPLC/IC

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

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Job ID: 890-5043-1

SDG: Lea County NM

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

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	
1,4-Difluorobenzene (Surr)	88		70 - 130				08/11/23 17:43	08/13/23 17:13	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/14/23 15:21	
	•	, ,,	•	MDI	Unit	n	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte	Result	ics (DRO) (RL	MDL		<u>D</u>	Prepared	Analyzed	
	•	, ,,	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/18/23 10:45	
Analyte	Result 331	Qualifier		MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 331 sel Range Orga Result	Qualifier nics (DRO) Qualifier		MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 331 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 50.4 (GC)		mg/Kg			08/18/23 10:45	Dil Fac
Analyte Total TPH	Result 331 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 50.4 (GC)		mg/Kg		Prepared	08/18/23 10:45 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 331 sel Range Orga Result <50.4	Qualifier nics (DRO) Qualifier U	RL 50.4		mg/Kg Unit mg/Kg		Prepared 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 18:37	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 331 sel Range Orga Result <50.4 331	Qualifier nics (DRO) Qualifier U	RL 50.4 (GC) RL 50.4 50.4		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 18:37 08/17/23 18:37	Dil Fac
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)	Result	Qualifier nics (DRO) Qualifier U	RL 50.4 (GC) RL 50.4 50.4 50.4		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 18:37 08/17/23 18:37	Dil Fac
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) Surrogate	Result	Qualifier nics (DRO) Qualifier U	RL 50.4		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33 08/15/23 16:33 Prepared	08/18/23 10:45 Analyzed 08/17/23 18:37 08/17/23 18:37 08/17/23 18:37 Analyzed	Dil Fac
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) Surrogate 1-Chlorooctane	Result	Qualifier nics (DRO) Qualifier U Qualifier S1+	RL 50.4 (GC) RL 50.4 50.4 50.4 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33 08/15/23 16:33 Prepared 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 18:37 08/17/23 18:37 Analyzed 08/17/23 18:37	Dil Fac
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) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier nics (DRO) Qualifier U Qualifier S1+	RL 50.4 (GC) RL 50.4 50.4 50.4 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33 08/15/23 16:33 Prepared 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 18:37 08/17/23 18:37 Analyzed 08/17/23 18:37	Dil Fac

Client Sample ID: FS02

Date Collected: 08/03/23 10:05

Date Received: 08/04/23 16:05

Sample Depth: 3

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

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Lab Sample ID: 890-5043-2

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Matrix: Solid

Job ID: 890-5043-1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery 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)
modification of the country to the country to	rigariio Compoundo		(Continuou)

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 RTFX - Total	RTFX Calculation
Mictiliou. IAL OOI	TOTAL DIEX - TOTAL	DIEA Galcalation

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
1-Chlorooctane	129		70 - 130	08/15/23 16:33
o-Terphenyl	104		70 - 130	08/15/23 16:33

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 GOOAD	Valatile Or	ganic Compour	de (CC)
i wethod:	5W846 8U21B	- volatile Ur	danic Compour	ias (GC)

Method. Syvoto 002 ID - Volat	ne Organic Comp		,						
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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110		49.9	mg/Kg			08/18/23 10:45	1

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Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Client Sample ID: FS03

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

Sample Depth: 3

Lab Sample ID: 890-5043-3

Job ID: 890-5043-1

SDG: Lea County NM

Matrix: Solid

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

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

Client Sample ID: FS04 Lab Sample ID: 890-5043-4 Date Collected: 08/03/23 10:15 **Matrix: Solid**

Date Received: 08/04/23 16:05

Sample Depth: 3

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 Cal	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	I 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	sel 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

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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 F
		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

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	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:55	08/12/23 19:18	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/11/23 14:55	08/12/23 19:18	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/23 14:55	08/12/23 19:18	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/23 14:55	08/12/23 19:18	

MB MB

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

08/12/23 19:18 Client Sample ID: Method Blank

Analyzed

08/12/23 19:18

Prep Type: Total/NA Prep Batch: 59996

Analysis Batch: 60005

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

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Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	J	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Toluene	<0.00200 L	J	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Ethylbenzene	<0.00200 L	J	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
m-Xylene & p-Xylene	<0.00400 L	J	0.00400		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
o-Xylene	<0.00200 L	J	0.00200		mg/Kg		08/11/23 17:43	08/13/23 08:33	1
Xylenes, Total	<0.00400 L	J	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 Qua	lifier 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
		Duam To	Tata	I/NI A

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	<u></u>	105	70 - 130	15	35

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Dil Fac

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

LCSD LCSD

Surrogate	%Recovery Qualifier	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

Analysis Batch: 60005

Prep Type: Total/NA

Prep Batch: 59996

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

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 **RPD** Spike %Rec 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 <0.00397 U 0.2200 70 - 130 35 m-Xylene & p-Xylene mg/Kg 110 0.0998 o-Xylene <0.00198 U 0.1109 mq/Kq 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

мв мв Result Qualifier 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**

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

Analysis Batch: 60422

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

Prep Batch: 60317

ı										
	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 16:33	08/17/23 10:56	1
	C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1
	,					0 0				

MB MB

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
l	o-Terphenyl	121		70 - 130	08/15/23 16:33	08/17/23 10:56	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60317

Analysis Batch: 60422 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 939.2 94 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 943.8 mg/Kg 94 70 - 130 C10-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

Matrix: Solid

Analysis Batch: 60422

Client Sample ID: Lal	Control Sample Dup
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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

	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	998	901.9		mg/Kg		87	70 - 130	
Diesel Range Organics (Over	<50.3	U	998	1008		mg/Kg		101	70 - 130	

C10-C28)

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

Client: Etech Environmental & Safety Solutions

Lab Sample ID: 890-5035-A-1-E MSD

Project/Site: WEU GM Battery

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

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: FS03

Client Sample ID: FS03

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Total/NA Prep Batch: 60317

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
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	888.7		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1042		mg/Kg		104	70 - 130	3	20

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

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

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 59747

мв мв

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

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

Analysis Batch: 59747

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

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 Ratch: 59747

Analysis Balcii. 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: 890-5043-1 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

La	b Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
89	0-5043-1	FS01	Total/NA	Solid	Total BTEX
89	0-5043-2	FS02	Total/NA	Solid	Total BTEX
89	0-5043-3	FS03	Total/NA	Solid	Total BTEX
89	0-5043-4	FS04	Total/NA	Solid	Total BTEX

GC Semi VOA

Prep Batch: 60317

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

Analysis Batch: 60422

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

Eurofins Carlsbad

Released to Imaging: 12/22/2023 8:52:45 AM

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

Lab Chronicle

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

Matrix: Solid

Job ID: 890-5043-1

SDG: Lea County NM

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

Client Sample ID: FS02 Lab Sample ID: 890-5043-2

Date Collected: 08/03/23 10:05

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

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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59996	08/11/23 17:43	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60005	08/13/23 18:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60135	08/14/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			60568	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 19:20	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 15:36	CH	EET MID

Client Sample ID: FS04 Lab Sample ID: 890-5043-4

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Lab Chronicle

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

SDG: Lea County NM

Client Sample ID: FS04

Lab Sample ID: 890-5043-4

Matrix: Solid

Job ID: 890-5043-1

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

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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	Р	rogram	Identification Number	Expiration Date	
Texas	N	ELAP	T104704400-23-26	06-30-24	
The following analytes the agency does not of	. ,	ut the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for wh	
Analysis Method	Prep Method	Matrix	Analyte		
			7 triary to		
8015 NM		Solid	Total TPH		

Method Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5043-1

SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5043-1

SDG: Lea County NM

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

Received by OCD: 10/4/2023 9:00:50 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 N	lo:	

Project Manager:	Erick	Herrera				Bill to: (if	different	t)				******								-		o.com Order (Comments	-			
Company Name:			nental &	Safety Solu	itions Inc.												Proc	ram:	UST/P	ST	PRP	Brow	wnfields RRC Superfund				
Address:		W County																				\exists	1		oject:	_	t
City, State ZIP:		nd, Texas				City, Stat										\exists	Repo	orting:	Level I	Le	vel III	□PS1	UST TR	RP 📗 L	evel IV [
Phone:		777-4152			Email:		erick@etechevn.com,			enh@	etech	env co	m						s: ED			ADaP		ther:			
rione.	1(201)				Linaii.	CHOREC	teorie	1	1, 1000	Spri.ce.	010011	0111.00	111														
Project Name:	-		SM Batte	ery		Around		Pres.		1			_	ANA	LYSIS	REC	UES	<u> </u>	_	Т	Т	Т		rvative C			
Project Number:	-	1	8341		☑ Routine	Rush		Code				-	ļ				-		-	-	-	-	None: NO		ater: H₂C		
Project Location:	L	ea Count			Due Date:	5 T/		j											1		1		Cool: Cool		H: Me		
Sampler's Name:	-	Edyt	e Konan			TAT starts the day received by the lab, if received by 4:30pm					0.0											1	HCL: HC H ₂ SO ₄ : H ₂		₃: HN H: Na		
PO#:	IDT.							ters	每	Q	METHOD 300.0			11001	181 1181 1111	11 11111 1		1001	DIAM DIA	IIII			H ₃ PO ₄ : HP	1140	r. 140		
SAMPLE RECE Samples Received I		Temp (Yes	No No	Yes No Thermomet	Wet Ice:	Yes	No	Parameters	805	3015	문						HMI		MIN	W			NaHSO ₄ : NA	ABIS			
Cooler Custody Sea		Yes No		Correction f		-8	7	Par	호	8	¥			111				Ш	MIN				Na ₂ S ₂ O ₃ : Na				
Sample Custody Se		Yes No	1	emperatur		5	X		Æ	E	EPA			1111			1 1880 1880 1880 18 18 18 18 18 18 18 18 18 18 18 18 18								Zn Acetate+		
Total Containers:					emperature:	5.	6		EPA METHOD 8021B	EPA METHOD 8015M/D	Ä]	890	0-5043	Cha	ain of Custody					-	NaOH+Ascorbic Acid: SAPC				
Sample Ide	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех- 1	TPH - E	CHLORIDE -												Samp	ole Comm	ents		
FS	01	***	s	8/3/2023	10:00	3'	С	1	Х	X	X												lr lr	ncident ID:			
FS	02		s	8/3/2023	10:05	3'	С	1	X	X	X												nAPI	P222 87 34	147		
FS			s	8/3/2023	10:10	3'	С	1	Х	X	Х																
FS	04		s	8/3/2023	10:15	3'	С	1	Х	Х	Х																
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Total 200.7 / 6 Circle Method(s) a		200.8 / 6 tal(s) to be			RCRA 13F															K Se			a Sr Tl Sn 245.1 / 747				
iotice: Signature of this f service. Eurofins Xer f Eurofins Xenco. A m	ico will b	e liable only	for the cos	t of samples ar	nd shall not ass	ume any res	sponsibil	ity for a	ny loss	es or ex	penses	incurre	d by the	client	f such lo	sses	re due	to circu	mstanc	es beyo	nd the c	ontrol	d.				
Relinquished b	y: (Sigi	nature)		Receive	d by: (Signa	ture)				/Time				shed	by: (Si	gnati	іге)		Rec	eived	by: (S	ignatu	re)	Date/T	ïme		
79	4		1	09				0,	45	13	14	05)					_									
	,			/	7							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	

Euronnis Carisbau

2

4

7

9

11

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

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 5043

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: 12/22/2023 8:52:45 AM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/14/2023 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

Client: Etech Environmental & Safety Solutions Project/Site: WEU GM Battery Laboratory Job ID: 890-5040-1 SDG: Lea County NM

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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 Description	Qualifier	Qualifier Description
-----------------------	-----------	-----------------------

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

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.
n	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

Decision Level Concentration (Radiochemistry) DLC 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

Method Detection Limit MDL Minimum Level (Dioxin) ML 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

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RFR

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.

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

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

HPLC/IC

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

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5040-1

Client Sample ID: FS05

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

Matrix: Solid

Job ID: 890-5040-1

SDG: Lea County NM

Sample Depth: 3

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	ulation							
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	•		•			_			
Analyte	Result	ics (DRO) (C	RL	MDL	Unit ma/Ka	<u>D</u>	Prepared	Analyzed	
	•		•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/09/23 18:21	
Analyte	Result 499	Qualifier	49.8	MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result 499 sel Range Orga	Qualifier	49.8			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die	Result 499 sel Range Orga Result	Qualifier nics (DRO)	RL 49.8		mg/Kg	-		08/09/23 18:21	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 499 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 49.8 (GC)		mg/Kg	-	Prepared	08/09/23 18:21 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 499 sel Range Orga Result <49.8	Qualifier nics (DRO) Qualifier U *-	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg	-	Prepared 08/08/23 15:08	08/09/23 18:21 Analyzed 08/09/23 13:58	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 499 sel Range Orga Result <49.8 499	Qualifier nics (DRO) Qualifier U *-	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg	-	Prepared 08/08/23 15:08 08/08/23 15:08	08/09/23 18:21 Analyzed 08/09/23 13:58 08/09/23 13:58	1 Dil Fac
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)	Result 499 sel Range Orga	Qualifier nics (DRO) Qualifier U *-	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg	-	Prepared 08/08/23 15:08 08/08/23 15:08 08/08/23 15:08	08/09/23 18:21 Analyzed 08/09/23 13:58 08/09/23 13:58	Dil Fac
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) Surrogate	Result 499 sel Range Orga Result <49.8 499 <49.8 %Recovery	Qualifier nics (DRO) Qualifier U *-	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg	-	Prepared 08/08/23 15:08 08/08/23 15:08 08/08/23 15:08 Prepared	08/09/23 18:21 Analyzed 08/09/23 13:58 08/09/23 13:58 08/09/23 13:58 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 499	Qualifier nics (DRO) Qualifier U *-	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	-	Prepared 08/08/23 15:08 08/08/23 15:08 08/08/23 15:08 Prepared 08/08/23 15:08	08/09/23 18:21 Analyzed 08/09/23 13:58 08/09/23 13:58 Analyzed 08/09/23 13:58	Dil Fac 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 499 sel Range Orga Result <49.8 499 <49.8 **Recovery 79 83 Chromatograp	Qualifier nics (DRO) Qualifier U *-	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 08/08/23 15:08 08/08/23 15:08 08/08/23 15:08 Prepared 08/08/23 15:08	08/09/23 18:21 Analyzed 08/09/23 13:58 08/09/23 13:58 Analyzed 08/09/23 13:58	1 1 1 Dil Fac 1

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 Reco
		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

Analysis Batch: 60008

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59909

	мв	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59909

Prep Type: Total/NA

Prep Batch: 59909

Matrix: Solid **Analysis Batch: 60008**

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

	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	

LCS LCS

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

Lab Sample ID: LCSD 880-59909/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Analysis Batch: 60008

•	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1192		mg/Kg		119	70 - 130	3	35	
Toluene	0.100	0.1048		mg/Kg		105	70 - 130	1	35	
Ethylbenzene	0.100	0.08495		mg/Kg		85	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.1818		mg/Kg		91	70 - 130	3	35	
o-Xvlene	0.100	0.09104		ma/Ka		91	70 - 130	4	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				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0996	0.1056		mg/Kg		105	70 - 130	
Toluene	0.00833		0.0996	0.1173		mg/Kg		109	70 - 130	

Client Sample ID: Matrix Spike

70 - 130

Client Sample ID: Matrix Spike Duplicate

70 - 130

Client Sample ID: Method Blank

121

Prep Type: Total/NA

Prep Type: Total/NA

22

Prep Type: Total/NA

QC Sample Results

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

Matrix: Solid

o-Xylene

Analysis Batch: 60008										Batch: 59909
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	0.0116		0.0996	0.1111		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	0.0196		0.199	0.2577		mg/Kg		120	70 - 130	

0.1310

0.1049

mg/Kg

mg/Kg

0.0996

MS MS

0.0106

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

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

Matrix: Solid

Analysis Batch: 60008									Prep	Batch:	59909
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.101	0.1078		mg/Kg		106	70 - 130	2	35
Toluene	0.00833		0.101	0.1109		mg/Kg		102	70 - 130	6	35
Ethylbenzene	0.0116		0.101	0.09542		mg/Kg		83	70 - 130	15	35
m-Xylene & p-Xylene	0.0196		0.202	0.2070		mg/Kg		93	70 - 130	22	35

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

Matrix: Solid

o-Xylene

Analysis Batch: 60008

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

MB MB

мв мв Result Qualifier

<50.0 U

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

Released to Imaging: 12/22/2023 8:52:45 AM

Matrix: Solid

Analysis Batch: 59688

Gasoline Range Organics

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

Prepared

08/08/23 15:08

Prep Batch: 59649

08/09/23 07:43

(GRO)-C6-C10

Eurofins Carlsbad

50.0

MDL Unit

mg/Kg

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

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

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

Analysis Batch: 59688

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 59649

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

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

Lab Sample ID: LCS 880-59649/2-A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59688 Prep Batch: 59649

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

LCS LCS

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

Lab Sample ID: LCSD 880-59649/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 59688

Prep Type: Total/NA Prep Batch: 59649

70 - 130

	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)									

Limits

LCSD LCSD Surrogate %Recovery Qualifier

1-Chlorooctane 86 70 - 130 o-Terphenyl 80 70 - 130

Lab Sample ID: 890-5013-A-1-H MS Client Sample ID: Matrix Spike **Matrix: Solid**

Matrix: Solid									Prep	Type: Total/NA
Analysis Batch: 59688									Prep	Batch: 59649
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.3	U *-	993	730.9		mg/Kg		74	70 - 130	

1030

mg/Kg

993

Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

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

195

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		mg/Kg		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

мв мв

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

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	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 Prep Type: Soluble**

Analysis Batch: 59747

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

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

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

Matrix: Solid

Analysis Ratch: 59747

Alialysis Dalcii. 55/4/											
	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

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

GC VOA

Prep Batch: 59909

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

Analysis Batch: 60008

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

Analysis Batch: 60106

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

GC Semi VOA

Prep Batch: 59649

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

Analysis Batch: 59688

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

Analysis Batch: 59791

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

HPLC/IC

Leach Batch: 59540

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

Eurofins Carlsbad

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QC Association Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

HPLC/IC (Continued)

Leach Batch: 59540 (Continued)

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

Analysis Batch: 59747

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

Lab Chronicle

Client: Etech Environmental & Safety Solutions

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

Client Sample ID: FS05

Lab Sample ID: 890-5040-1

Matrix: Solid

Date Collected: 08/03/23 10:20 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	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

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

Authority		ogram	Identification Number	Expiration Date
Texas	NE	ELAP	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

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5040-1

SDG: Lea County NM

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

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Revised Date 08/25/2020 Rev 2020 2

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Environment Testing Xenco

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Project Manager:	Erick	Herrera				Bill to: (if	differen	t)												W	ork C	rder	Comments				
Company Name:	Etech	Environn	nental &	Safety Solu	itions, Inc.	Compan	y Name	e:									Prog	ram: (JST/PS	зт 🗌	PRP[]	Brov	nfields	RRC	Superfund [
Address:	1300	W County	y Rd 100)		Address:											State	of Pr	oject:								
City, State ZIP:	Midlar	nd, Texas	79711			City, Sta	te ZIP:										Repo	rting: I	_evel II	Le	vel III	PS	T/UST 🗌 T	RRP [Level IV		
Phone:		77-4152			Email:	erick@etechevn.com, joseph@etechenv.com Deliverables: EDD									ADaPT Other:												
	1							1						ANIAL	Veie	PEO	EQUEST Preservative Codes					e Codes					
Project Name:			GM Batte	ery	Turr ☑ Routine	Rush Pres.					Т	Т	г	ANAL	-1313	KEW	UES		Т		Т	Т	None: NO		Ol Water: H ₂ O		
Project Number:	 		18341			_		Code		-		 	_					-	-		-		1				
Project Location:	L.	ea Count			Due Date:	5 T/																	Cool: Cool HCL: HC		MeOH: Me HNO3: HN		
Sampler's Name: PO #:	Edyte Konan			the day received by received by 4:30pm					0.0												H ₂ SO ₄ : H ₂		NaOH: Na				
SAMPLE RECEI	DT	Town	Diamir. C	Vacable	Wet Ice:	Yes	No	Parameters	6	. METHOD 8021B METHOD 8015M/D - EPA METHOD 300.0				1100100							Į	H ₃ PO ₄ : HP					
Samples Received In						Yes No		W C	~	ame	METHOD 8021B	METHOD 8015M/D	물			1011	14 (4)	11111		11	HHHH				NaHSO ₄ : N		
Cooler Custody Seal	ls: Yes No (N/A Correction F			-0	7	Par	异	00	N M												Na ₂ S ₂ O ₃ : N						
Sample Custody Sea			- A					5.	7	_	WE	E	E												Zn Acetate	+NaOH	: Zn
Total Containers:				Corrected T	emperature:	5-	6		EPA	EPA W	Ä		_	890-5	040 C	hain o	f Cus	tody					NaOH+Aso	corbic A	cid: SAPC		
Sample ider	ntification	on	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Ä	TPH-E	CHLORIDE								1			Ĺ	Sam	ple Co	mments		
FS0	15		s	8/3/2023	10:20	3'	С	1	X	X	X	1												nciden	t ID:		
				0,0,2020	10.20														-				nAF	P2228	734147		
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					Ket	1																					
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Total 200.7 / 6	010	200.8 / 6	:020-	9	RCRA 13F	PPM Te	vas 11	ΔΙ.	Sh As	. Ba	Be B	Cd (Ca Cr	Co	Cu Ee	Ph	Ma N	/n M	o Ni F	(Se	Ag S	iO ₂ N	la Sr TI S	n U V	Zn		
Circle Method(s) ar					TCLP / S																		245.1 / 74				
Notice: Signature of this of service. Eurofins Xeno of Eurofins Xenco. A min	documer	it and reling	uishment of	of samples con	stitutes a valid p	urchase or	der from	client o	ompan	y to Eu	rofins X	(enco, its	affiliate	es and s	ubcont	ractors.	It assigned	gns sta	ndard te	s beyo	nd the c	ontrol	nd.				
Relinquished by	r; (Sign	ature)		Receive	d by: (Signa	ture)			Date	/Time	•	R	elinqui	ished l	oy: (S	ignatu	re)		Rec	eived	by: (S	ignatu	re)	Da	ite/Time		
1 Factor (Carlotter)				1			8-																				

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5040-1

SDG Number: Lea County NM

Login Number: 5040 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5040-1

SDG Number: Lea County NM

List Source: Eurofins Midland

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

Login Number: 5040 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 ampered 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 6mm (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 9:59:30 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

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions

Qualifier Description

Project/Site: WEU GM Battery

SDG: Lea County NM

Job ID: 890-5044-1

Qualifiers

GC VOA	
Qualifier	

S1+

Quanner	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

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

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

HPLC/IC

Qualifier	Qualifier Description
П	Indicates the analyte was analyzed for but not detected

Glossary

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

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)
MDL Method Detection Limit
ML Minimum Level (Dioxin)

Most Probable Number

MQL Method Quantitation Limit NC Not Calculated

MPN

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

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

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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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Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Lab Sample ID: 890-5044-1

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

Matrix: Solid

Job ID: 890-5044-1

SDG: Lea County NM

Sample Depth: 3

Date Received: 08/04/23 16:05

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
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/23 15:15	1
Method: SW846 8015 NM - Diese	l Bango Organ	: (DDO) (00)						
		ics inkun i	4(.)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		, ,,	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/18/23 10:45	
Analyte	Result 295	Qualifier		MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result 295 sel Range Orga	Qualifier				<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 295 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 50.3		mg/Kg			08/18/23 10:45	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 295 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 50.3 (GC)		mg/Kg		Prepared	08/18/23 10:45 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 295 sel Range Orga Result < 50.3	Qualifier nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3		mg/Kg Unit mg/Kg		Prepared 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 20:03	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 295 sel Range Orga Result <50.3 295	Qualifier nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 20:03 08/17/23 20:03	1 Dil Fac
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)	Result 295 sel Range Orga	Qualifier nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 20:03 08/17/23 20:03	Dil Fac
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) Surrogate	Result 295 sel Range Orga Result <50.3 295 <50.3 %Recovery	Qualifier nics (DRO) Qualifier U	RL 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33 08/15/23 16:33 Prepared	08/18/23 10:45 Analyzed 08/17/23 20:03 08/17/23 20:03 08/17/23 20:03 Analyzed	Dil Fac
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) Surrogate 1-Chlorooctane	Result 295	Qualifier nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33 08/15/23 16:33 Prepared 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 20:03 08/17/23 20:03 Analyzed 08/17/23 20:03	1 Dil Fac 1 1 1 1 Dil Fac 1
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) Surrogate 1-Chlorooctane o-Terphenyl	Result 295	Qualifier nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/15/23 16:33 08/15/23 16:33 08/15/23 16:33 Prepared 08/15/23 16:33	08/18/23 10:45 Analyzed 08/17/23 20:03 08/17/23 20:03 Analyzed 08/17/23 20:03	1

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

Date Collected: 08/03/23 10:35 **Matrix: Solid**

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	1

Job ID: 890-5044-1

SDG: Lea County NM

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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)
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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 RTFX - Total	RTFX Calculation
Mictiliou. IAL OOI	TOTAL DIEX - TOTAL	DIEA Galcalation

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

Mathada OMO40 0045 NM Disasi Damas Omenica (DDO) (OO	Α.
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	. 1

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

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

A 14 -	D 14	O	DI.	MDI	11!4	_	Danie and	A II	D:: F
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	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prep	ared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	08/15/2	3 16:33	08/17/23 20:24	1
o-Terphenyl	96		70 - 130	08/15/2	3 16:33	08/17/23 20:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

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

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

Sample Depth: 3

Mothodi	CIMOAC GOOAD	Valatile Or	ganic Compour	de (CC)
i wethod:	5W846 8U21B	- volatile Ur	danic Compour	ias (GC)

Welliou. Syvo40 602 IB - Volat	ne Organic Comp	iounus (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		08/12/23 14:49	08/13/23 11:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				08/12/23 14:49	08/13/23 11:29	1
1 4-Difluorobenzene (Surr)	70		70 - 130				08/12/23 14 49	08/13/23 11:29	1

Mothod: TAI	SOP Total BTEX - Total BTEX Calculation	

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

Method: SW846 8015 NM - Diesel Range Organic	s (DRO)	(GC)
michiod. Offoro out of this - Diesel Mange Organic	,3 (DIXO)	1001

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

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5044-1

SDG: Lea County NM

Client Sample ID: FS08

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

Sample Depth: 3

Lab Sample ID: 890-5044-3

Matrix: Solid

Method: SW846 8015B NM - Dies	sel Range Orga	inics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	•
Diesel Range Organics (Over C10-C28)	391		50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	•
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 20:45	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				08/15/23 16:33	08/17/23 20:45	
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
Chloride	1870		25.0		mg/Kg			08/09/23 16:21	5

Lab Sample ID: 890-5044-4 **Client Sample ID: FS09** Matrix: Solid

Date Collected: 08/03/23 10:45 Date Received: 08/04/23 16:05

Released to Imaging: 12/22/2023 8:52:45 AM

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
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/14/23 15:15	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	966		49.9		mg/Kg			08/18/23 10:45	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 16:33	08/17/23 21:06	1
Diesel Range Organics (Over C10-C28)	966		49.9		mg/Kg		08/15/23 16:33	08/17/23 21:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 16:33	08/17/23 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/15/23 16:33	08/17/23 21:06	1

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

Job ID: 890-5044-1

SDG: Lea County NM

Client Sample ID: FS09

Date Collected: 08/03/23 10:45 Date Received: 08/04/23 16:05

Lab Sample ID: 890-5044-4

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	310		5.00		mg/Kg			08/09/23 16:27	1

Sample Depth: 3

Client Sample ID: FS10	Lab Sample ID: 890-5044-5
Date Collected: 08/03/23 10:50	Matrix: Solid
Data Pacaiyad: 08/04/23 16:05	

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 08/12/23 14:49 08/13/23 12:10 mg/Kg Toluene <0.00200 U 0.00200 08/12/23 14:49 08/13/23 12:10 mg/Kg 08/12/23 14:49 Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/13/23 12:10 m-Xylene & p-Xylene <0.00399 U*+ 0.00399 mg/Kg 08/12/23 14:49 08/13/23 12:10 o-Xylene <0.00200 U*+ 0.00200 08/12/23 14:49 08/13/23 12:10 mg/Kg Xylenes, Total <0.00399 U*+ 0.00399 mg/Kg 08/12/23 14:49 08/13/23 12:10 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 84 70 - 130 08/12/23 14:49 08/13/23 12:10 1,4-Difluorobenzene (Surr) 80 70 - 130 08/12/23 14:49 08/13/23 12:10

Method: TAL SOP Total BTEX - Tot	al 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 15:15	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-Terphenvl	99		70 - 130				08/15/23 16:33	08/17/23 21:27	1

Method: EPA 300.0 - Anions, Ion C	hromatography	- Soluble						
Analyte	Result Qu	alifier 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	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-31714-A-1-E MS	Matrix Spike	140 S1+	116	
380-31714-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)

Matrix: Solid Prep Type: Total/NA

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

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Analysis Batch: 60007

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59979

	МВ	мв							
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	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	08/11/23 16:10	08/12/23 18:42	1
1,4-Difluorobenzene (Surr)	82		70 - 130	08/11/23 16:10	08/12/23 18:42	1

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

Matrix: Solid

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

Prep Batch: 60011

Analysis Batch: 60007

мв мв

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

мв мв

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
	Pron Type: Total/NA

Prep Type: Total/NA

Prep Batch: 60011

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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Battery

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

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

Lab Sample ID: LCSD 880-60011/2-A **Matrix: Solid**

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

Prep Batch: 60011

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

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 Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 60007

Analysis Batch: 60007

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 *+	0.199	0.1375	F1	mg/Kg		69	70 - 130	
		F2								
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

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

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

MD MD

149 S1+

121

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	MR							
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)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:33	08/17/23 10:56	1
	MP	МВ							
	INID	IVID							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

Lab Sample ID: LCS 880-60317/2-A **Matrix: Solid**

Analysis Batch: 60422

1-Chlorooctane

o-Terphenyl

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

08/17/23 10:56

08/17/23 10:56

08/15/23 16:33

08/15/23 16:33

Prep Batch: 60317

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

Limits

70 - 130

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) (Continued)

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

Matrix: Solid

Surrogate

o-Terphenyl

Matrix: Solid

Analysis Batch: 60422

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 60317

1-Chlorooctane 123

Lab Sample ID: 890-5035-A-1-E MSD

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

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
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	888.7		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over	<50.3	U	998	1042		mg/Kg		104	70 - 130	3	20
C10-C28)											

MSD MSD

MS MS

90

Qualifier

%Recovery

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 128 70 - 130

93 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

Matrix: Solid

Matrix: Solid

Analysis Batch: 59747

MB MB

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

Lab Sample ID: LCS 880-59540/2-A

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Prep Type: Soluble

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 20 mg/Kg

Lab Sample ID: 890-5043-A-3-B MS

Released to Imaging: 12/22/2023 8:52:45 AM

Client Sample ID: Matrix Spike

Prep Type: Soluble

Matrix: Solid Analysis Batch: 59747

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

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

7 maryoro Batom ou 11	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	•	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	
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

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

Client Sample ID: FS06

Date Received: 08/04/23 16:05

Lab Sample ID: 890-5044-1 Date Collected: 08/03/23 10:30

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			5.02 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

	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	60011	08/12/23 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60007	08/13/23 11:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60131	08/14/23 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			60569	08/18/23 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	60317	08/15/23 16:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60422	08/17/23 20:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 16:16	CH	EET MID

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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

Client Sample ID: FS09

Lab Sample ID: 890-5044-4

Matrix: Solid

Job ID: 890-5044-1

SDG: Lea County NM

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	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

Lab Sample ID: 890-5044-5

Client Sample ID: FS10 Date Collected: 08/03/23 10:50 **Matrix: Solid**

Date Received: 08/04/23 16:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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 Texas		ogram	Identification Number	Expiration Date
		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
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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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

Received by OCD: 10/4/2023 9:00:50 AM

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Chain of Custody

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

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Project Manager:	Erick Herrera B# to: (if different)																W	ork O	rder (Comments		_			
Company Name:			nental &	Safety Solu	itions, Inc.	Compan	y Name	9:									Prog	ram: l	JST/PS	ST 🗌 1	PRP[]	Brow	nfields F	RRC	Superfund[
Address:	1300	W Count	Rd 100			Address:												of Pr	•						
City, State ZIP:		nd. Texas				City, State ZIP:											Repo	rting: l	_evel li	Lev	vel III	□ps1	VUST TEUV	RRP [Level IV
Phone:		777-4152			Email	erick@e		vn.con	n. iose	@h@	eteche	env.co	m				Deliv	erables	s: EDE			ADaP	r 🗆 🔾	ther:	
	1(=0.7)							1							PEO	OUEST							Preservative Codes		
Project Name:			SM Batte	ery	I uri ☑ Routine	Around Rush		Pres.			ANALYSIS RE					INC	T	Г	Γ		Ι		None: NO	or vaci	DI Water: H ₂ C
Project Number:	-		8341					Code					-	\vdash		-	-	\vdash	-				Cool: Cool		MeOH: Me
Project Location:	-	ea Count			Due Date:	5 T.							1										HCL: HC		HNO ₃ : HN
Sampler's Name: PO #:	+	Edy	e Konan		TAT starts the						300.0		Ì										H ₂ S0 ₄ : H ₂		NaOH: Na
SAMPLE RECE	IDT	Temp	Diamin	Yes No	Wet Ice:	Yes) No	Parameters	8	S S	90					4 0 4 4 0 44 0 11	NN 880 11					'	H₃PO₄: HP		
Samples Received		Yes	No.	Thermomet		VW(аше	802	METHOD 8015M/D	МЕТНОБ								rii iii				NaHSO₄: N		
Cooler Custody Sea		Yes No		Correction f		28.	5	Par		8	ME												Na ₂ S ₂ O ₃ : N	laSO₃	
Sample Custody Se		Yes No		emperatur		5	95		MET	E	EPA									111111			Zn Acetate	+NaOl	H: Zn
otal Containers:					emperature:		-(0		EPA METHOD 8021B	EPA M	H H	1			390-50	44 Cr	nain of	Custo	ody				NaOH+Asc	corbic /	Acid: SAPC
Sample Ide	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX - B	TPH - EF	CHLORIDE										Sample Comments				
FS	06		s	8/3/2023	10:30	3'	С	1	X	X	X												Incident ID:		
FS	07		s	8/3/2023	10:35	4'	С	1	X	X	X												nAF	P222	8734147
FS	08		s	8/3/2023	10:40	3'	С	1	Х	X	Х														
FS	09		s	8/3/2023	10:45	3'	С	1	Х	X	X					F									
FS	10		s	8/3/2023	10:50	3'	С	1	Х	X	X														
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Total 200.7 / Circle Method(s) a	nd Me	ent and reling	analyze	d f samples con	RCRA 13I	PLP 601	0: 8R	CRA client o	Sb A	As Ba	Be rofins X	Cd Ci	Co	Cu Pl	b Mn	Mo I	Ni Se	Ag	TI U	rms an	Hg:	1631 /	a Sr TI S 245.1 / 74		
service. Eurofins Xer Eurofins Xenco. A m	aco will b	e liable only	for the cos	t of samples as	nd shall not ass	ume anv re	sponsibl	lity for a	ny loss	es or ex	cpenses	Incurre	d by the	e client	f such l	osses a	re due	to circu	mstance	s beyon	nd the c	ontrol	d.		
Relinquished b					d by: (Signa				Date	/Time		R		ished								ignatu		С	ate/Time
- Marie			(K	& CV		•		8'	4.2	131	405	3													
1/				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	

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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	

<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

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

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

Authorization

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies Page 2 of 27

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

00	1/	$\overline{}$	Α.
GC	V	U	А

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

GC Semi VOA

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

HPLC/IC

MDA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
U	Indicates the analyte was analyzed for but not detected.

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

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

ND	Not Detected at the reporting limit (or MDL or EDL if shown)
ND	Not beletied at the reporting little (or MbL or LbL if Showin)

Minimum Detectable Activity (Radiochemistry)

NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

RL	Reporting Limit or R	equested Limit	(Radiochemistry)

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

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

TNTC Too Numerous To Count

Job ID: 890-5036-1

Case Narrative

Client: Etech Environmental & Safety Solutions

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.

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Client Sample Results

Client: Etech Environmental & Safety Solutions

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

Client Sample ID: SW01

Date Collected: 08/03/23 11:00 Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

Lab Sample	ID:	890-5036-1
		Matrice Callel

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/12/23 14:51	08/13/23 22:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/12/23 14:51	08/13/23 22:50	1
1,4-Difluorobenzene (Surr)	75		70 - 130				08/12/23 14:51	08/13/23 22:50	1

	Method: TAL SOP Total BTEX - Total BTEX Calculation									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	<0.00397	U	0.00397		mg/Kg			08/14/23 15:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	302		50.2		mg/Kg			08/18/23 10:13	1

Analyte	Result C	Qualifier	RL MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2 U	J 50	.2	mg/Kg		08/15/23 16:47	08/17/23 21:27	1
Diesel Range Organics (Over C10-C28)	302	50	.2	mg/Kg		08/15/23 16:47	08/17/23 21:27	1
Oll Range Organics (Over C28-C36)	<50.2 U	J 50	.2	mg/Kg		08/15/23 16:47	08/17/23 21:27	1
Total TPH	302	50	.2	mg/Kg		08/15/23 16:47	08/17/23 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	08/15/23 16:47	08/17/23 21:27	1
o-Terphenyl	127		70 - 130	08/15/23 16:47	08/17/23 21:27	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		5.02		mg/Kg			08/09/23 14:00	1

Client Sample ID: SW02 Lab Sample ID: 890-5036-2

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

Released to Imaging: 12/22/2023 8:52:45 AM

Sample Depth: 0 - 3

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

Eurofins Carlsbad

Matrix: Solid

Job ID: 890-5036-1

Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

SDG: Lea County NM **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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/12/23 14:51	08/13/23 23:10	
1,4-Difluorobenzene (Surr)	71		70 - 130				08/12/23 14:51	08/13/23 23:10	
Method: TAL SOP Total BTEX -	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/23 15:15	
Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Di	767	unics (DPO)	50.4		mg/Kg			08/18/23 10:13	
Total TPH Method: SW846 8015B NM - Die		nics (DRO)			mg/Kg			08/18/23 10:13	1
Method: SW846 8015B NM - Die Analyte	esel Range Orga	Qualifier		MDL		<u>D</u>	Prepared 08/15/23 16:47	08/18/23 10:13 Analyzed 08/17/23 19:41	Dil Fac
Method: SW846 8015B NM - Did Analyte Gasoline Range Organics	esel Range Orga Result	Qualifier	(GC)	MDL	Unit	<u>D</u>		Analyzed	Dil Fac
Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	esel Range Orga Result	Qualifier	(GC)	MDL	Unit	<u>D</u>		Analyzed	Dil Fac
Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	esel Range Orga Result <50.4	Qualifier	(GC) RL 50.4	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/15/23 16:47 08/15/23 16:47	Analyzed 08/17/23 19:41 08/17/23 19:41	Dil Fac
Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	esel Range Orga Result <50.4	Qualifier	(GC) RL 50.4	MDL	Unit mg/Kg	<u>D</u>	08/15/23 16:47	Analyzed 08/17/23 19:41	Dil Fac
Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	esel Range Orga Result <50.4 684	Qualifier	(GC) RL 50.4 50.4	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/15/23 16:47 08/15/23 16:47 08/15/23 16:47	Analyzed 08/17/23 19:41 08/17/23 19:41 08/17/23 19:41	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	esel Range Orga Result <50.4 684	Qualifier	(GC) RL 50.4	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/15/23 16:47 08/15/23 16:47	Analyzed 08/17/23 19:41 08/17/23 19:41	Dil Fa
Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10	esel Range Orga Result <50.4 684 82.5	Qualifier U	(GC) RL 50.4 50.4	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/15/23 16:47 08/15/23 16:47 08/15/23 16:47	Analyzed 08/17/23 19:41 08/17/23 19:41 08/17/23 19:41	Dil Fa

Client Sample ID: SW03 Lab Sample ID: 890-5036-3

RL

5.00

MDL Unit

mg/Kg

70 - 130

110

453

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Collected: 08/03/23 11:10 Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

o-Terphenyl

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/23 14:51	08/13/23 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/12/23 14:51	08/13/23 23:31	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/12/23 14:51	08/13/23 23:31	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
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

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Matrix: Solid

Dil Fac

08/17/23 19:41

Analyzed

08/09/23 14:17

08/15/23 16:47

Prepared

D

Matrix: Solid

Lab Sample ID: 890-5036-3

Client Sample Results

Client: Etech Environmental & Safety Solutions

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

Date Collected: 08/03/23 11:10 Date Received: 08/04/23 16:05

Client Sample ID: SW03

Sample Depth: 0 - 3

Method: SW846 8015 NM - Diesel F	Range 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 (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Diesel Range Organics (Over C10-C28)	500		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Oll Range Organics (Over C28-C36)	60.2		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Total TPH	560		50.0		mg/Kg		08/15/23 16:47	08/17/23 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/15/23 16:47	08/17/23 20:03	1
o-Ternhenyl	97		70 130				08/15/23 16:47	08/17/23 20:03	1

	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	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

Sample Depth: 0 - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/12/23 14:51	08/13/23 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/12/23 14:51	08/13/23 23:51	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX			70 - 130				08/12/23 14:51	08/13/23 23:51	
• * * * * * * * * * * * * * * * * * * *	- Total BTEX Cald	Qualifier	70 - 130	MDL	Unit mg/Kg	<u>D</u>	08/12/23 14:51 Prepared	08/13/23 23:51 Analyzed 08/14/23 15:15	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U	RL 0.00403		mg/Kg		Prepared	Analyzed 08/14/23 15:15	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <	Qualifier U	RL 0.00403			<u>D</u>		Analyzed 08/14/23 15:15 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <	Qualifier U	RL 0.00403		mg/Kg		Prepared	Analyzed 08/14/23 15:15	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- 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 - Die Analyte Total TPH	- Total BTEX Calc Result <0.00403 sel Range Organ Result 747 iesel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00403 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 08/14/23 15:15 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00403 sel Range Organ Result 747 iesel 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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Matrix: Solid

Client Sample Results

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

SDG: Lea County NM

Client Sample ID: SW04

Date Collected: 08/03/23 11:15 Date Received: 08/04/23 16:05

Sample Depth: 0 - 3

Lab Sample ID: 890-5036-4

Matrix: Solid

Job ID: 890-5036-1

Method: SW846 8015B NM - Diese	el Range Orga	inics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	64.3		49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1
Total TPH	747		49.7		mg/Kg		08/15/23 16:47	08/17/23 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/15/23 16:47	08/17/23 21:06	1
o-Terphenyl	109		70 - 130				08/15/23 16:47	08/17/23 21:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit 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 Matrix: Solid

Date Collected: 08/03/23 11:20 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	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
								08/14/23 11:31	1
Total BTEX	0.0287		0.00400		mg/Kg			00/14/23 11:31	
		ics (DRO) (mg/Kg			06/14/23 11.31	,
Total BTEX : Method: SW846 8015 NM - Dies Analyte	sel Range Organ	ics (DRO) (MDL	mg/Kg Unit	D	Prepared	Analyzed	·
Method: SW846 8015 NM - Dies	sel Range Organ		GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Dies Analyte	sel Range Organ Result 628	Qualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH	sel Range Organ Result 628 esel Range Orga	Qualifier	GC) RL 49.8		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
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	GC) RL 49.8		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 (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Organ Result 628 esel 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 - Dies 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 <49.8 549	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 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) Total TPH	sel Range Organ Result 628 esel Range Orga Result <49.8 549 79.1	Qualifier nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 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	Dil Fac Dil Fac 1 1 1 1
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 <49.8 549 79.1	Qualifier nics (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 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	Dil Fac Dil Fac 1 1 1

Client Sample Results

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

Sample Depth: 0 - 3

aIJ	Saiii	hie	יטו.	090-30	30-3
				Matrice	0-11-4

Matrix: Solid

Job ID: 890-5036-1

SDG: Lea County NM

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
l	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 Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
Toluene	0.00590		0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
m-Xylene & p-Xylene	0.00706		0.00402		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
Xylenes, Total	0.00706		0.00402		mg/Kg		08/12/23 14:46	08/14/23 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				08/12/23 14:46	08/14/23 03:57	1
1,4-Difluorobenzene (Surr)	75		70 - 130				08/12/23 14:46	08/14/23 03:57	1

Method: TAL SOP Total BTEX - Total	al BTEX Calculation						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0130	0.00402	mg/Kg			08/14/23 11:31	1

Method: SW846 8015 NM - Diesel Ra	ange Organi	cs (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL U	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	761		49.6	r	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	<49.6	U	49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1
Diesel Range Organics (Over C10-C28)	685		49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1
Oll Range Organics (Over C28-C36)	75.6		49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1
Total TPH	761		49.6		mg/Kg		08/15/23 16:47	08/17/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	428		5.04		mg/Kg			08/09/23 14:51	1

70 - 130

70 - 130

96

100

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08/17/23 20:45

08/15/23 16:47

1-Chlorooctane

o-Terphenyl

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

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5036-1	SW01	120	127	
890-5036-2	SW02	107	110	
890-5036-3	SW03	93	97	
890-5036-4	SW04	102	109	
890-5036-5	SW05	95	99	
890-5036-6	SW06	96	100	
LCS 880-60324/2-A	Lab Control Sample	113	125	
LCSD 880-60324/3-A	Lab Control Sample Dup	118	131 S1+	
MB 880-60324/1-A	Method Blank	118	129	

1CO = 1-Chlorooctane

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

MR MR

Result Qualifier

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

Matrix: Solid

Analyte

Analysis Batch: 60006

Prep Type: Total/NA

Analyzed

Prepared

Prep Batch: 60010

Dil Fac

Benzene <0.00200 U 0.00200 mg/Kg 08/12/23 14:46 08/13/23 19:29 Toluene <0.00200 U 0.00200 mg/Kg 08/12/23 14:46 08/13/23 19:29 Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/12/23 14:46 08/13/23 19:29 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 08/12/23 14:46 08/13/23 19:29 <0.00200 U o-Xylene 0.00200 mg/Kg 08/12/23 14:46 08/13/23 19:29 08/12/23 14:46 08/13/23 19:29 Xylenes, Total <0.00400 U 0.00400 mg/Kg

RL

MDL Unit

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
	Date of Taxable Taxable I/NIA

Prep Type: Total/NA

Prep Batch: 60010

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1012	-	mg/Kg		101	70 - 130	1	35

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

Analysis Batch: 60006

Matrix: Solid

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 60010

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.09241 92 70 - 130 35 mg/Kg 2 Ethylbenzene 0.100 0.08454 mg/Kg 85 70 - 130 5 35 0.200 m-Xylene & p-Xylene 0.1718 86 70 - 130 35 mg/Kg 11 o-Xylene 0.100 0.08369 mg/Kg 84 70 - 130 12 35

LCSD LCSD

Surrogate	%Recovery 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

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

MB MB

Surrogate	%Recovery Qualifier	Limits	Pi	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72	70 - 130	08/12	2/23 14:49	08/13/23 05:17	1
1,4-Difluorobenzene (Surr)	83	70 - 130	08/1:	2/23 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	Unit	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

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	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

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	119	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60012

Lab Sample ID: LCSD 880-60012/2-A **Matrix: Solid**

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

Surrogate	%Recovery Quali	fier Limits
4-Bromofluorobenzene (Surr)	118	70 - 130
1,4-Difluorobenzene (Surr)	109	70 - 130

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

Lab Sample ID: MB 880-60324/1-A

Matrix: Solid

Analysis Batch: 60424

Client Sample ID: Method Blank	•
Pren Type: Total/NA	Δ.

Prep Batch: 60324

	MB	MB							
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 16:46	08/17/23 10:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 16:46	08/17/23 10:56	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 16:46	08/17/23 10:56	1
Total TPH	<50.0	U	50.0		mg/Kg		08/15/23 16:46	08/17/23 10:56	1

мв мв

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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	08/15/23 16:4	6 08/17/23 10:56	1
o-Terphenyl	129		70 - 130	08/15/23 16:4	6 08/17/23 10:56	1

Lab Sample ID: LCS 880-60324/2-A

Matrix: Solid

Analysis Batch: 60424

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

Prep Batch: 60324

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1043		mg/Kg		104	70 - 130	

(GRO)-C6-C10

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)

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)

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 113 70 130 o-Terphenyl 125 70 - 130

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

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 **Prep Type: Soluble**

Matrix: Solid

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

MB MB

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

Analysis Batch: 59747 MS MS

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

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Prep Type: Soluble

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	<u> </u>
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	

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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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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

Leach

Analysis

DI Leach

300.0

Lab Sample ID: 890-5036-1

Client Sample ID: SW01 Date Collected: 08/03/23 11:00

Date Received: 08/04/23 16:05

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 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

4.98 g

50 mL

59540

59747

08/07/23 15:13

08/09/23 14:00

Lab Sample ID: 890-5036-2

KS

СН

Matrix: Solid

EET MID

EET MID

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

Client Sample ID: SW02

Soluble

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	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 MIC
Soluble	Leach	DI Leach			5 g	50 mL	59540	08/07/23 15:13	KS	EET MIC
Soluble	Analysis	300.0		1			59747	08/09/23 14:17	CH	EET MID

Client Sample ID: SW03

Date Collected: 08/03/23 11:10 Date Received: 08/04/23 16:05

La	ab Sa	mpie	ID: 8	890-5	036-3	
				Matrix	Solid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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

Dat Da

lient Sample ID: SW04	Lab Sample ID: 890-5036-4
ate Collected: 08/03/23 11:15	Matrix: Solid
ate 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

Client: Etech Environmental & Safety Solutions

Project/Site: WEU GM Baterry

Lab Sample ID: 890-5036-4

Job ID: 890-5036-1

SDG: Lea County NM

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	Type	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

Lab Sample ID: 890-5036-5

Matrix: Solid

Date Collected: 08/03/23 11:20 Date Received: 08/04/23 16:05

Client Sample ID: SW05

	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	60010	08/12/23 14:46	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60006	08/14/23 03:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60112	08/14/23 11:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60560	08/18/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	60324	08/15/23 16:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60424	08/17/23 20:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59540	08/07/23 15:13	KS	EET MID
Soluble	Analysis	300.0		1			59747	08/09/23 14:34	CH	EET MID

Client Sample ID: SW06 Lab Sample ID: 890-5036-6 **Matrix: Solid**

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

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	hority		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 certif	ied by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
8015B NM	8015NM Prep	Solid	Total TPH	

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
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
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 Baterry

Job ID: 890-5036-1 SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5036-1	SW01	Solid	08/03/23 11:00	08/04/23 16:05	0 - 3
890-5036-2	SW02	Solid	08/03/23 11:05	08/04/23 16:05	0 - 3
890-5036-3	SW03	Solid	08/03/23 11:10	08/04/23 16:05	0 - 3
890-5036-4	SW04	Solid	08/03/23 11:15	08/04/23 16:05	0 - 3
890-5036-5	SW05	Solid	08/03/23 11:20	08/04/23 16:05	0 - 3
890-5036-6	SW06	Solid	08/03/23 11:25	08/04/23 16:05	0 - 3

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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 Orde	r No:		
AAOIK OIGE	I INO.		

																				wwv	/ xenc	o.com	Page	1_	of	1
Project Manager:	Erick	Herrera				Bill to: (if	differen	t)								_		-				_	Comment			
Company Name:	Etech	Environn	nental &	Safety Solu	itions, Inc.	Compan	y Name	e:								_	Prog	am: l	JST/P	зт[]	PRP	Brov	wnfields 🗌	RRC	Super	fund 🗌
Address:	1300	W County	y Rd 100			Address	:										State		-						_	
City, State ZIP:	Midla	nd, Texas	79711			City, Sta	te ZIP:										Repo	rting: L	evel II	Le	vel III		T/UST []1	TRRP	Leve	1 IN []
Phone:	(281)	777-4152			Email:	erick@e	eteche	n.con	n, jose	ph@	etech	env.co	m				Delive	rables	EDI			ADaF	י די	Other		
Project Name:	T	WELL	GM Batte	env	Turr	Around								ANA	YSIS	REQ	UEST						Pres	serva	tive Code	es
Project Number:			18341	<u>y</u>	☑ Routine	Rush		Pres.		Г										Γ	T	T	None: NO)	DI Wate	r: H ₂ O
	 	ea Count		Acrica	Due Date:	5 T	ΛT	Code															Cool: Coo	d	MeOH:	Me
Project Location: Sampler's Name:	-		e Konan		TAT starts th																		HCL: HC		HNO ₃ : F	- 1
PO#:		Luy	CITOTION		the lab, if re			S			300.0										1		H ₂ SO ₄ : H ₂		NaOH: I	Na
SAMPLE RECE	IPT	Temp	Blank:	Yes No	Wet Ice:	SYes	No	Parameters	21B	METHOD 8015M/D	8			1				1	ł	1	1	l	H₃PO₄: HI	Р		
Samples Received I		Yes	No	Thermomet		No	FO	E	80	89	МЕТНОБ			111									NaHSO ₄ :	NABI	S	
Cooler Custody Sea			N/A	Correction F	actor:	- 8	. 2	Pa	욷	阜	A		i	1111	11/11					Ш			Na ₂ S ₂ O ₃ :	NaSC)3	
Sample Custody Sea	als:	Yes No	N/A	Temperatur	e Reading:	5	- 3		Z.	Ē	-EPA	1							mm				Zn Acetat			
Total Containers:				Corrected T	emperature:	K	- Q		- EPA METHOD 8021B	EPA	=	1		890	-5036	Chair	of Cu	stody	11111 1141	1171			NaOH+As	scorbi	Acid: SAF	3C
Sample ide	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	втех.	TPH - E	CHLORIDE								, '	1 40	1	Ĺ	San	nple	Commen	ts
SW	01		s	8/3/2023	11:00	0-3'	С	1	Х	Х	X													Incid	ent ID:	
SW	02		s	8/3/2023	11:05	0-3'	С	1	Х	Х	X												nA	PP22	2873414	7
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	X	X								<u> </u>							
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	Х	X															
	*******				\sim																					
				S	14 P																					
					-																					
Total 200.7 / 6	010	200.8 / 6	3020:		RCRA 13I	PPM Te	exas 11	Al S	Sb As	Ba	Be B	Cd (Ca C	r Co (Cu Fe	Pb	Mg N	In Mo	Ni I	< Se	Ag S	SiO ₂ N	Va Sr TI S	Sn U	V Zn	
Circle Method(s) a					TCLP / S																		/ 245.1 / 74			
Notice: Signature of this of service. Eurofins Xen of Eurofins Xenco. A mi	docume	ent and reling	uishment	of samples con	stitutes a valid	purchase o	rder from	client o	ompan	y to Eu	rofins X	enco, its	affiliat	es and s	ubconti f such k	actors.	it assig	ins star	ndard to	s beyo	d cond	itions control				
Relinquished by	y; (Sigr	nature)		Receive	d by: (Signa	iture)			Date	/Time		R	elinqu	ished	by: (Si	gnatu	re)		Rec	eived	by: (S	Signati	ure)		Date/Tim	е
1 . 1	2		10	Ge Gr	A	>>	•	8.	4.5	13	Vie	5														

Revised Date 08/25/2020 Rev. 2020 2

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 890-5036-1

SDG Number: Lea County NM

Login Number: 5036 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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14

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

Creator: Rodriguez, Leticia

Login Number: 5036

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	

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<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.pnq</u>

Hi Erick,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Administrative Permitting Program EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 | Shelly. Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Erick Herrera <erick@etechenv.com>
Sent: Monday, July 31, 2023 3:36 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>

Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/4 - 8/5/23

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

Good afternoon,

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

Proposed Date: August 3, 2023, August 4, 2023

Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit Seale Battery

Incident Number: nAPP2222254057

Proposed Date: August 3, 2023, August 4, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: West Eumont Unit GM State Battery

Incident Number: nAPP2228734147

Proposed Date: August 3, 2023, August 4, 2023

Proposed Timeframe: 0800 – 1700 hrs. Site Name: West Eumont Unit 522 Incident Number: nAPP2222156433

Proposed Date: August 3, 2023, August 4, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: Federal D Battery Discovery Date: 8/2/2022

Thank you,

Erick Herrera

Staff Geologist



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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 272251

CONDITIONS

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	272251
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition Date
Ву		
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.	12/21/2023