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	NAPP2321636998
District RP	
Facility ID	
Application ID	

## **Release Notification**

## **Responsible Party**

			•	•	•
Responsible I	Party Fo	rty Acres Energy		OGRID	371416
Contact Name Alex Bolanos Contact		Contact Te	elephone 832-689-3788		
Contact email alex@faenergyus.com Incident #			Incident # (	(assigned by OCD) nAPP2321636998	
Contact mailing address 11757 Katy FWY Suite 725, Houston, TX 77079					
			Location of	f Release So	ource
Latitude 32.510833 Longitude -103.341361					
			(NAD 83 in decim	al degrees to 5 decim	mal places)
Site Name	State WE	H Battery		Site Type	Battery
Date Release	Discovered	8/25/2022		API# (if appi	plicable) 30-025-03372
Unit Letter	Section	Township	Range	Coun	nty
F	02	21 S	35E	Lea	
Surface Owner	: State	☐ Federal ☐ Trib	oal X Private (Nar	ne: Mercha	ant Livestock Co.
			Nature and V	Volume of F	Release
	Materia	l(s) Released (Select all	that apply and attach cal	culations or specific	c justification for the volumes provided below)
X Crude Oil		Volume Released (bbls) 1 bbls			Volume Recovered (bbls) 0 bbls
X Produced	Water	tter Volume Released (bbls) 7 bbls		Volume Recovered (bbls) 0 bbls	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		Yes No		
Condensat	Condensate Volume Released (bbls)			Volume Recovered (bbls)	
Natural G	as	Volume Released	(Mcf)		Volume Recovered (Mcf)
Other (describe) Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)			

Top of water tank overflowed.

Cause of Release

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Page 2 Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	nsible party consider this a major release?	
☐ Yes ☑ No			
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?	
	Initial Ro	esponse	
The responsible	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury	
The source of the rele	ease has been stopped.		
The impacted area ha	s been secured to protect human health and	the environment.	
X Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.	
	ecoverable materials have been removed and		
If all the actions described	d above have <u>not</u> been undertaken, explain	vhy:	
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 lease attach all information needed for closure evaluation.	
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a thre	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 at 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	Title: Regulatory & Production Analyst	
Signature:	Alex Bolanos nergyus.com	Date:8/5/2023	
email:alex@faer	nergyus.com	Telephone: 832-689-3788	
OCD Only			
Received by: Shelly Wel	lls	Date: 8/7/2023	

of New Mexico

Incident ID	NAPP2321636998
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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>&gt;100</u> (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ☒ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes 🏻 No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🏻 No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 🏻 No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes 🛛 No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes 🏻 No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes 🛛 No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes 🛛 No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No		
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	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.			
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> </ul>			

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Photographs including date and GIS information

□ Laboratory data including chain of custody

Boring or excavation logs

Topographic/Aerial maps

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Application ID	

public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a factorized contamination of the property of the public health or the environment.	otifications and perform corrective actions for releases which may endanger e OCD does not relieve the operator of liability should their operations have hreat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws
Printed Name: Alex Bolanos	Title: REG/PROD ANALYST
Signature: Alex Bolanos	Date: 12/14/23
email: alex@faenergyus.com Telephone: (832)689-3788	
OCD Only	
Received by:	Date:

	Page 5 of 22	0
Incident ID	NAPP2321636998	
District RP		
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Application ID		

## **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan.				
<ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> </ul>				
Deferral Requests Only: 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 production equipment where remediation could cause a major facility deconstruction.				
Extents of contamination must be fully delineated.				
Contamination does not cause an imminent risk to human heal	h, the environment, or groundwater.			
I haraby cartify that the information given shove is two and complete	ete 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 accept liability should their operations have failed to adequately investiga	ance of a C-141 report by the OCD does not relieve the operator of			
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				
Printed Name: Alex Bolanos	Title: REG/PROD ANALYST			
Printed Name: Alex Bolanos Signature: Alex Bolanos	Date: 12/14/23			
email: alex@faenergyus.com Telephone: (832)689-3788				
	•			
OCD Only				
Received by:	Date:			
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved			
Signature:	<u>Date:</u>			

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Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.				
A scaled site and sampling diagram as described in 19.15.29.11 NMAC				
	Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
∠ Laboratory analyses	of final sampling (Note: appr	ropriate ODC District office m	ast be notified 2 days prior to final sampling)	
Description of reme	diation activities			
and regulations all operat may endanger public hear should their operations has human health or the envir compliance with any other restore, reclaim, and re-ve	ors are required to report and/oth or the environment. The active failed to adequately investionment. In addition, OCD actor federal, state, or local laws agetate the impacted surface and	or file certain release notification compared to the conditions of the conditions that exists of the conditions of the	y knowledge and understand that pursuant to OCD rules ons and perform corrective actions for releases which the OCD does not relieve the operator of liability tion that pose a threat to groundwater, surface water, is not relieve the operator of responsibility for sible party acknowledges they must substantially diprior to the release or their final land use in tion and re-vegetation are complete.	
rinted Name: Alex Bolanos Title: REG/PROD ANALYST			ROD ANALYST	
Signature: Alex 2	ignature: Alex Bolanos Date: 12/14/23			
email: alex@faenergy	mail: alex@faenergyus.com Telephone: (832)689-3788			
OCD Only				
Received by:		Date:		
remediate contamination		ater, surface water, human healt	their operations have failed to adequately investigate and h, or the environment nor does not relieve the responsible	
Closure Approved by:	Nelson Velez	Date:	12/22/2023	
Closure Approved by: Printed Name:	Nelson Velez	Title: _	Environmental Specialist - Adv	



# **CLOSURE REQUEST REPORT**

State WE H Battery

Lea County, New Mexico

Incident Number NAPP2321636998

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

Houston, TX 77079

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



#### **SYNOPSIS**

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

#### SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit F, Section 02, Township 21 South, Range 35 East, in Lea County, New Mexico (32.510833°, -103.341361°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A**).

On August 25, 2022, it was discovered that a water tank overflowed and released approximately 1 barrel (bbls) of crude oil and 7 bbls of produced water onto the production pad surface and into the adjacent eastern pasture. No Fluids were recovered. The New Mexico Oil Conservation Division (NMOCD) did not receive a Release Notification and Corrective Action Form C-141 (Form C-141) within 15 days of the release. As a result, FAE submitted a Form C-141 with release incident details, which was received by the NMOCD on August 5, 2023, and was subsequently assigned Incident Number NAPP2321636998. Initial response efforts by FAE included the removal of immediate soil impacts based on visual observation, totaling 84 cubic yards (CYs). FAE provided a map of the release extent which is presented as the Area of Concern (AOC) on **Figure 2** in **Appendix A**. FAE has since backfilled the excavation inside the containment with caliche in an effort to mitigate potential safety hazards by restoring the stability around active production equipment.

Etech met with the NMOCD on October 31, 2023, to discuss the previously submitted Remediation Work Plan (RWP) and to request the advancement of existing of delineation soil samples, specifically potholes PH01 and PH07 for consideration of approval and to proceed with the original RWP proposal to collect an additional horizontal delineation sample. The summary of additional field activities is described below.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Closure Request Report Incident Number NAPP2321636998 State WE H Battery



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 CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.58-mile northeast of the Site. Using a truck mounted rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. The referenced well record for the soil boring is provided in **Appendix B**. The soil boring location and regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

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

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

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

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

### SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From August 8, 2023, to August 25, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and verify the presence or absence of remaining residual impacted soil within and around the AOC. Soil samples were collected from ten delineation potholes (PH01 through PH10) advanced via mechanical equipment. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

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

On November 17 and November 29, 2023, a third-party consultant assisted in the advancement of delineation soil samples PH01 and PH07. A minimum of two samples were collected from each delineation soil sample location. To complete the work proposed in the RWP, horizontal delineation sample PH07 was collected to supplement the horizontal periphery of the AOC. The recollected soil samples were advanced within 1 foot of the original locations. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. The soil samples were transported under strict chain-of-custody procedures, to Cardinal Laboratories in Hobbs, New Mexico, for analysis of COCs.



#### LABORATORY ANALYTICAL RESULTS

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

#### **CLOSURE REQUEST**

Based on the laboratory analytical results, FAE believes residual impacts associated with the inadvertent release have been delineated, excavated, and removed from the Site. Concentrations of COCs for all confirmation delineation soil samples were below the applicable Site Closure Criteria. Furthermore, the horizontal periphery of impacts has been defined via delineation soil samples. FAE believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment and groundwater. As such, FAE respectfully requests NFA of the Incident Number NAPP2321636998 associated with this CRR.

### **LIMITATIONS**

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

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

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera Staff Geologist

Erich

Joseph S. Hernandez Senior Managing Geologist



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

#### Appendices:

Figure 1: Site Map Appendix A

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors

Figure 1C: Site Characterization Map – Karst Potential

Figure 2: Delineation Soil Sample Locations

Appendix B Referenced Well Records

Appendix C Soil Sampling Logs Appendix D Photographic Log

Appendix E **Tables** 

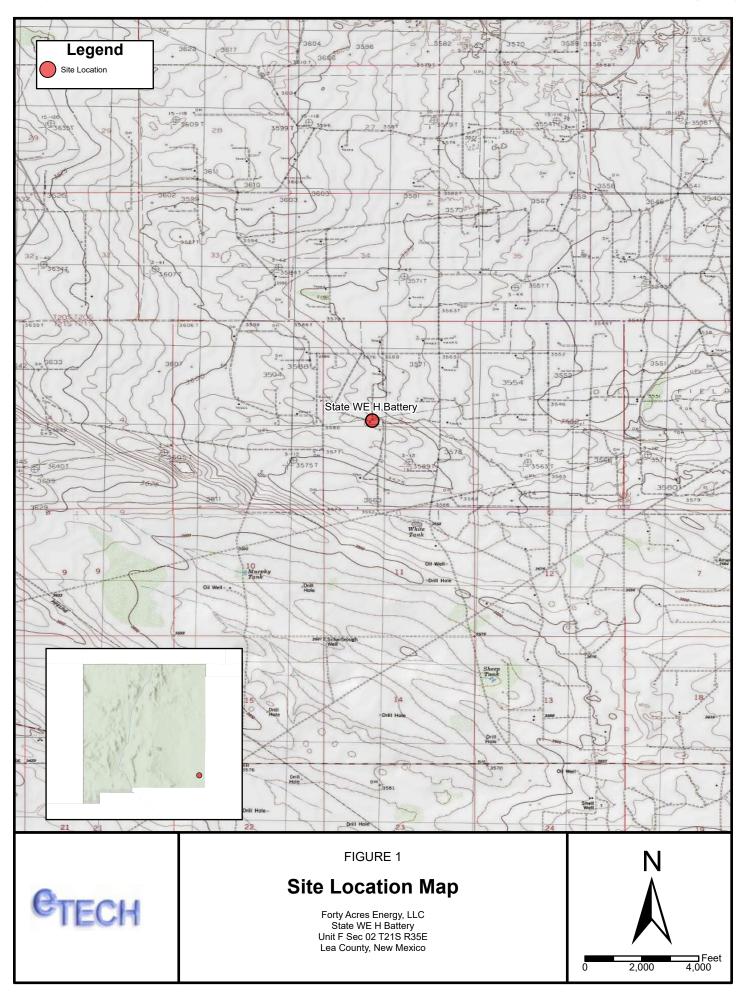
Appendix F Laboratory Analytical Reports & Chain-of-Custody Documentation

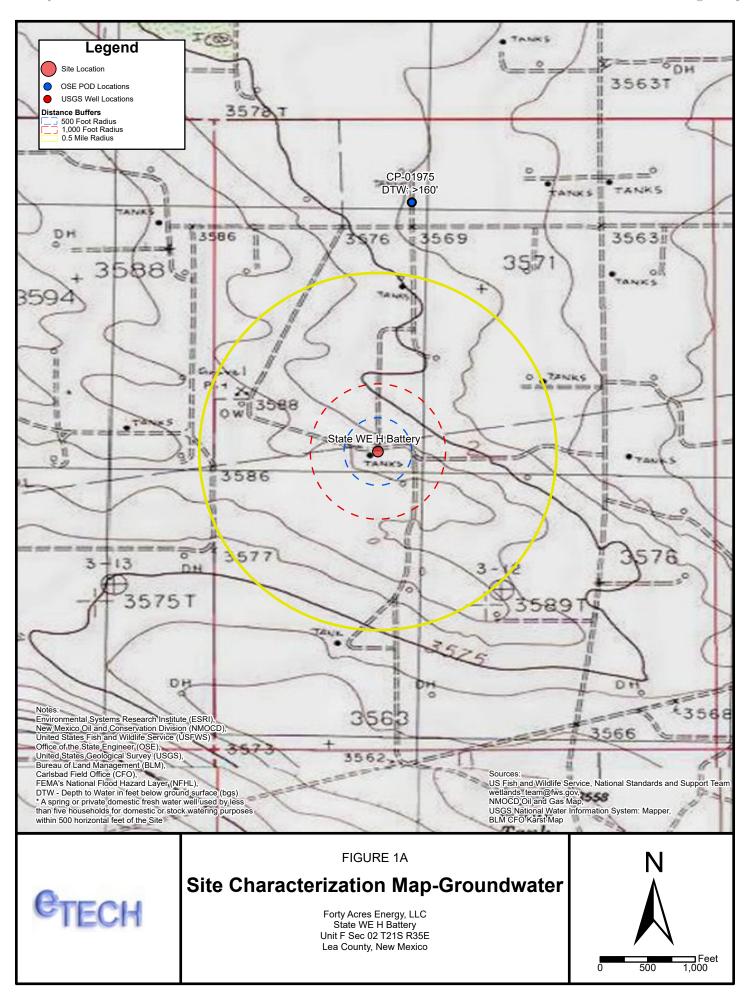
Appendix G **NMOCD Notifications** Appendix H Original submitted RWP

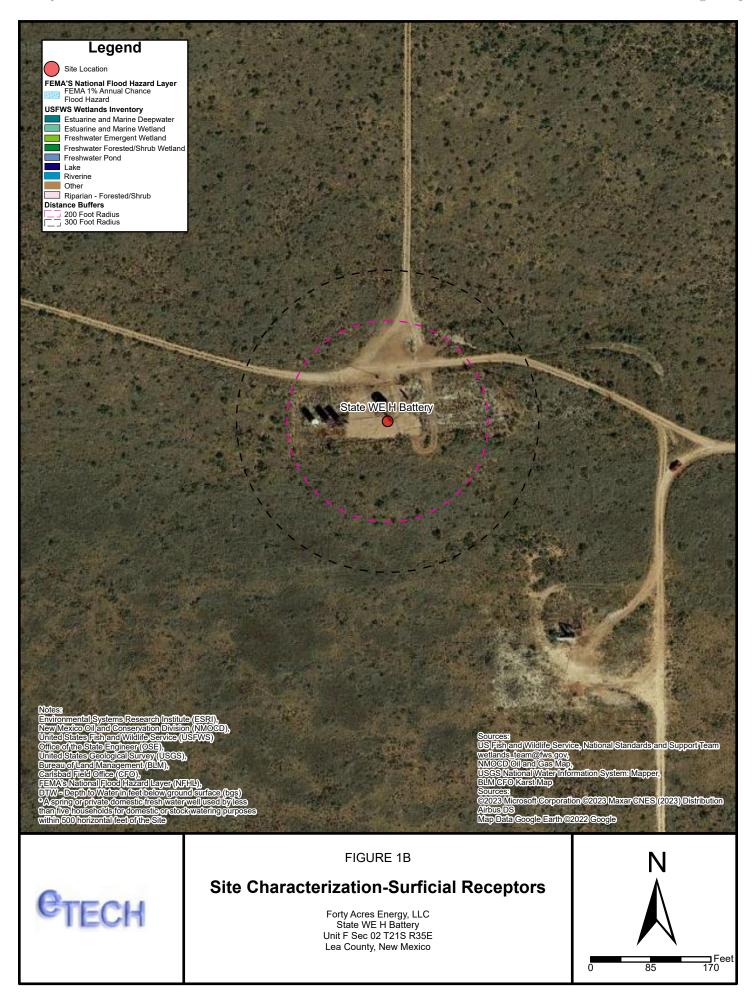
# **APPENDIX A**

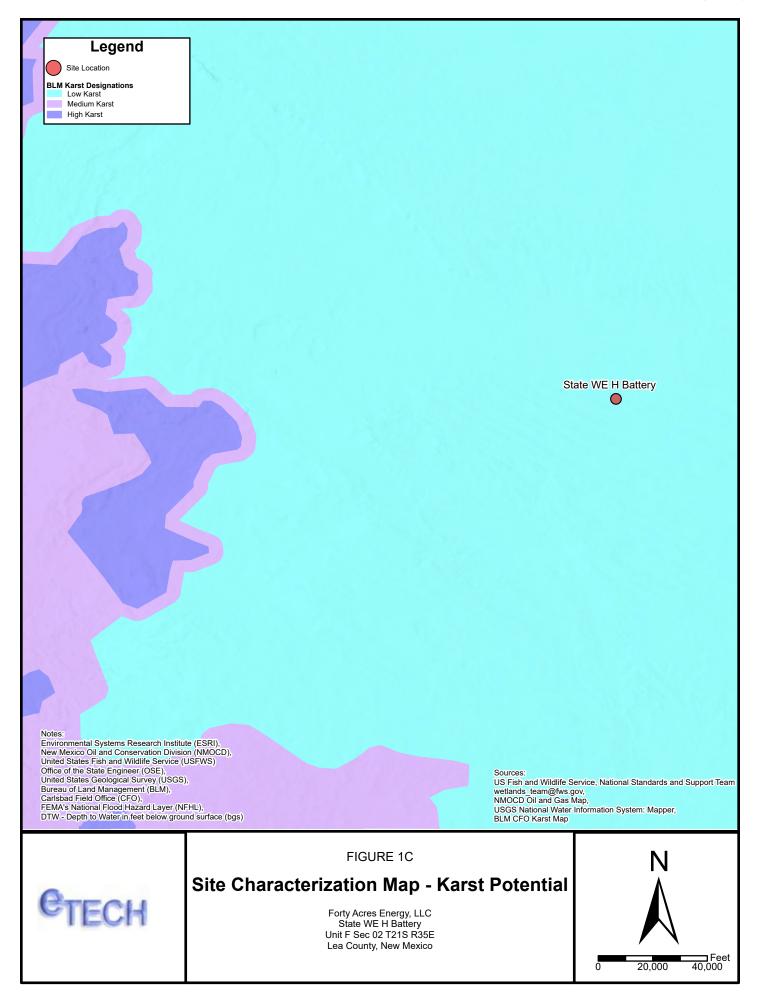
**Figures** 













# **APPENDIX B**

Referenced Well Records





## WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

#### www.ose.state.nm.us

NO	OSE POD NO. POD-1	(WELL NO.	)		WELL TAG ID NO. 213A19			OSE FILE NO(S). CP-1975						
OCATI	WELL OWNE Clay Tom C							PHONE (OPTIONAL)						
GENERAL AND WELL LOCATION	WELL OWNE Box 6	R MAILING	ADDRESS			CITY STATE ZIP Monument NM 88265								
QN	WELL		DE	GREES	MINUTES	SECON								
AL /	LOCATION	LAI	TITUDE	32	20	09.	6 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND						
NER	(FROM GPS	S) LON	NGITUDE	103	* DATUM REC	QUIRED: WGS 84								
1. GE	DESCRIPTIO	N RELATIN	IG WELL LOCATION TO	STREET ADDR	ESS AND COMMON	LANDMA	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE				
	LICENSE NO.		NAME OF LICENSED			NAME OF WELL DRILLING COMPANY								
	183	9						Coffey Drilling						
	DRILLING ST 8-24-2		DRILLING ENDED 8-24-2023	DEPTH OF COM		LE DEPTH (FT) 160	DEPTH WATER FIR	ST ENCOUNTERED (FT NA	)					
Z	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)  STATIC WATER LEVEL IN COMPLETED WE NA													
\TIO	DRILLING FL	UID:	AIR	<b>✓</b> MUD	ADDITIVI	ES – SPEC	CIFY:							
RMA	DRILLING METHOD: V ROTARY													
NFO	DEPTH (feet bgl) BORE HOLE			CASING I	MATERIAL AND	/OR	CA	ASING	CASING	CASING WALL	SLOT			
& CASING INFORMATION	FROM TO		DIAM	GRADE (include each casing string, and			CONNECTION		INSIDE DIAM.	THICKNESS	SIZE			
ASI			(inches)	note sections of screen) (add o				YPE ling diameter)	(inches)	(inches)	(inches)			
	0	20	10		PVC			bell	5	sdr 21				
DRILLING	20	100	8.75		PVC PVC			bell	5	sdr 21	0.020			
III	100 120	120	8.75 8.75		PVC			bell	5	sdr 21	0.020			
2. DF	120	100	6.73		1 VC			ben	,	Sui 21				
.,														
,	DEPTH (	feet bgl)	BORE HOLE	1	ST ANNULAR SE				AMOUNT	МЕТНО				
MAI	FROM	TO	DIAM. (inches)	GRAV	VEL PACK SIZE-			RVAL	(cubic feet)	PLACE				
TE	0	20	10		3/8 Benton		plug		8	Pou				
ANNULAR MATERIAL	20	160	8.75		3/8 pe	a gravel			38	Pou	ır			
U <b>LA</b> ]														
NN														
3. A														

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

100   5   5   5   Red Sandy Top Soil   Y	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
Tan soft SandStone	
Tan soft SandStone	
Tan soft SandStone	
94 101 7 Red clay Y ✓ N  101 108 7 Course sand/gravel Y ✓ N  108 160 52 Red Clay Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y N	
101   108   7   Course sand/gravel   Y	
Too	
HADROGEOLOGIC LOG OF WELL  HADROGEOLOGIC LOG OF	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:  TOTAL ESTIMATED  WELL YIELD (gpm):	0.00
PUMP AIR LIFT BAILER OTHER – SPECIFY: WELL FIELD (gpin).	
WELL TEST  TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE MI START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD	
MISCELLANEOUS INFORMATION:  PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAT	
PER	
; RIC	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THA	AN LICENSEE:
w	III BICENOEE.
BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AN RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND WITH A RECORD WITH A	D THAT THIS
RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	ING.
SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE	
FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Versi	

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

Released	to	Imaging:	12/22	2023	8:02:55	AM

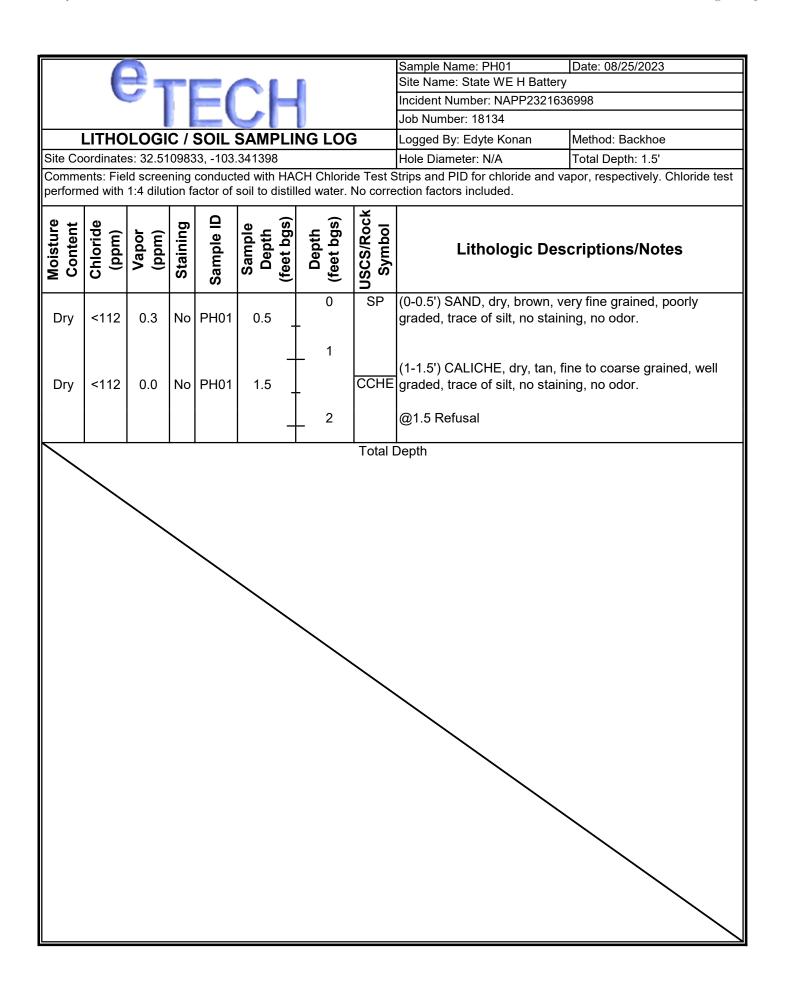
FILE NO.

LOCATION

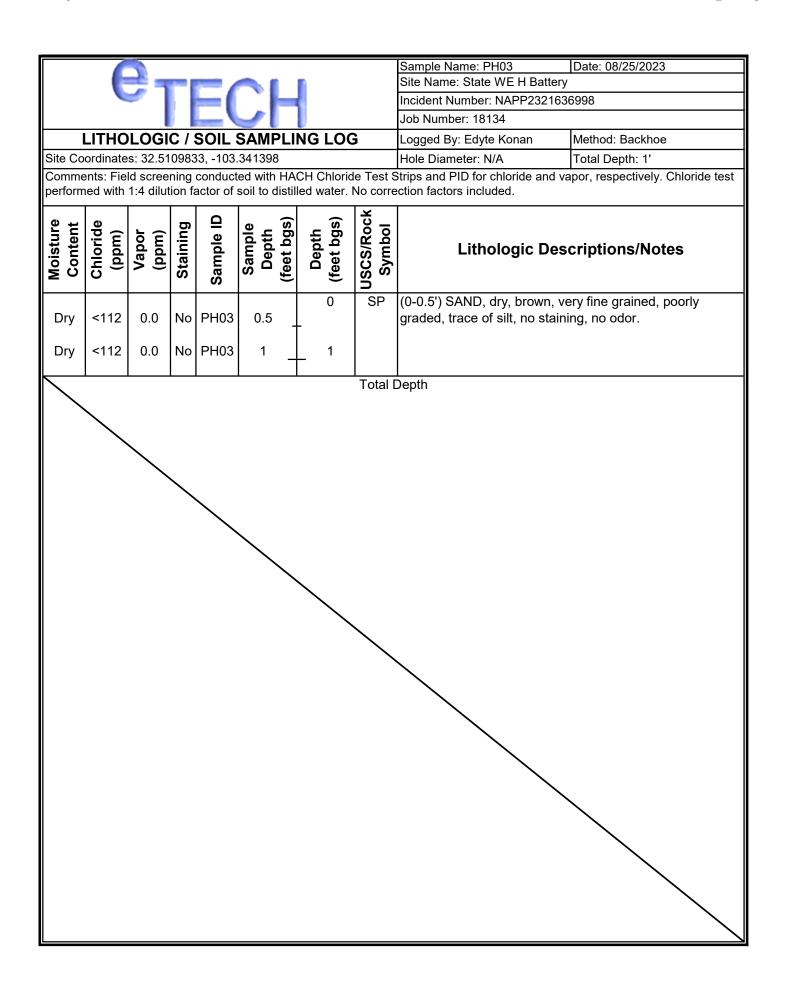
# **APPENDIX C**

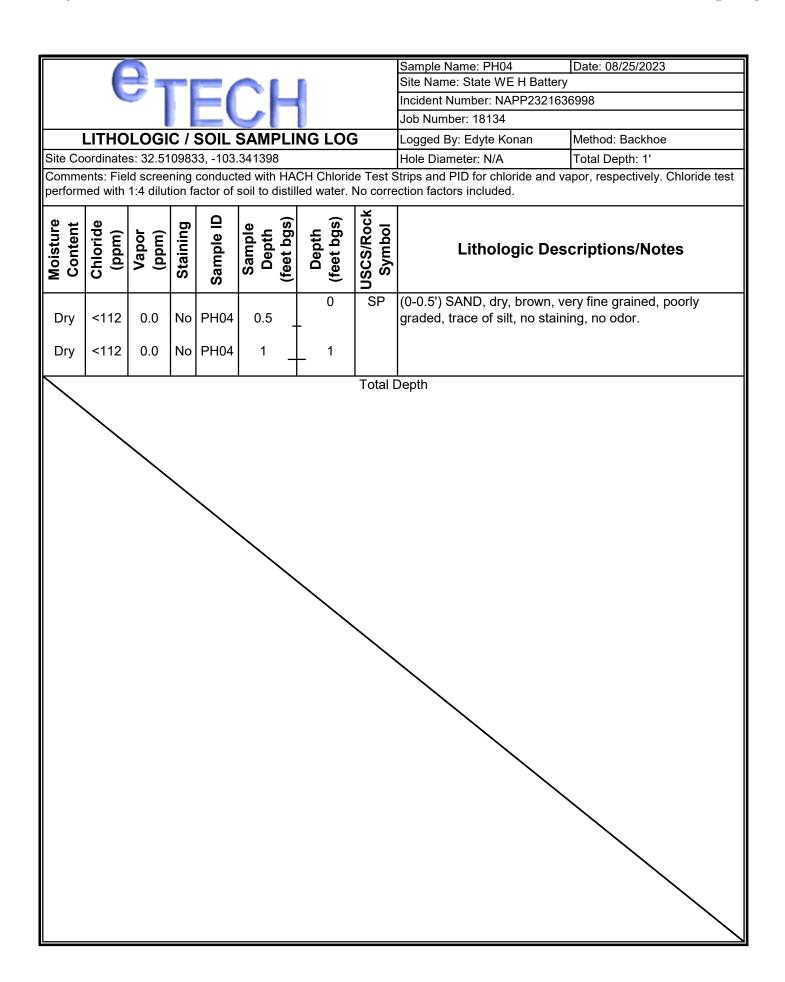
Soil Sampling Logs

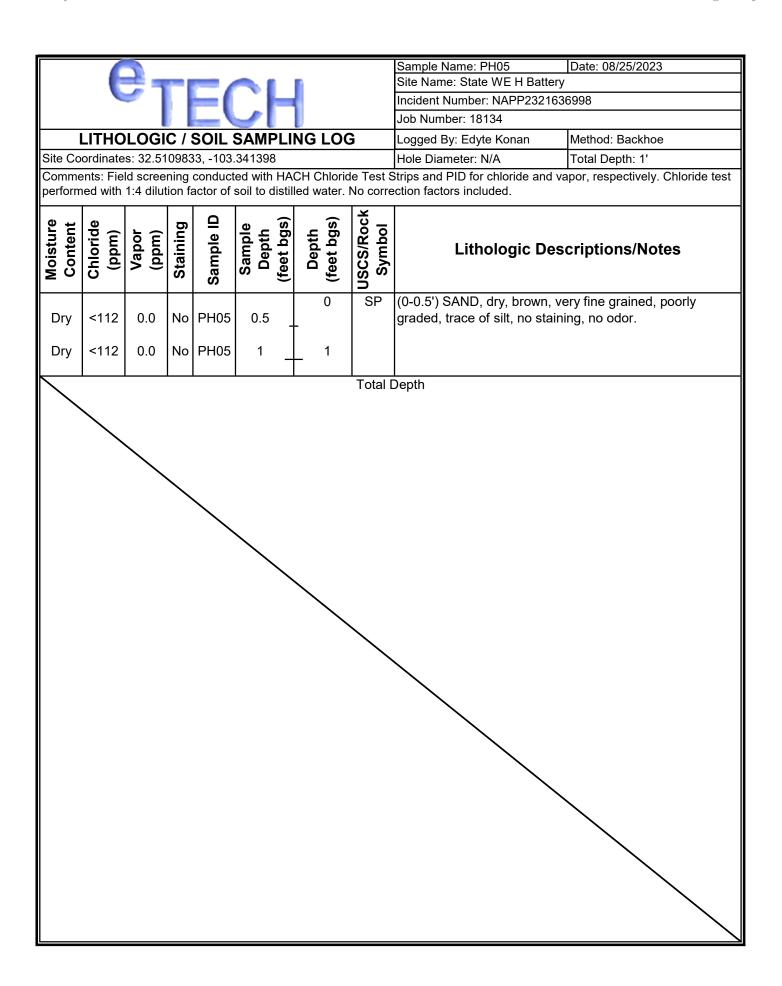


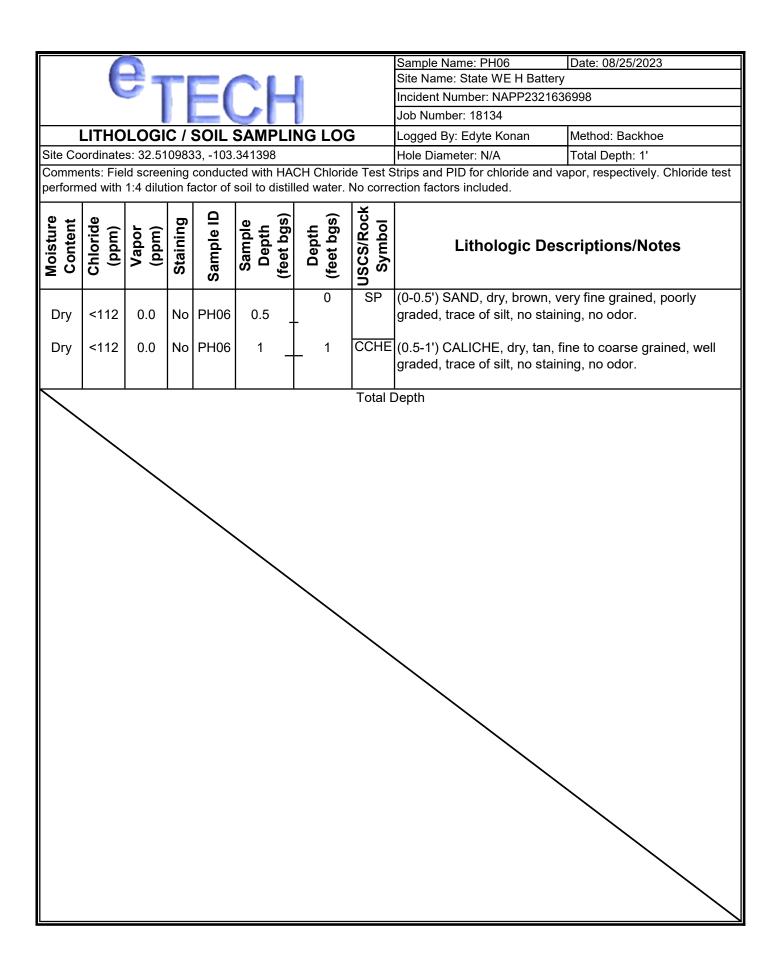


									OI- N DI 100	ID-+ 00/05/0000			
		<u> </u>							Sample Name: PH02 Site Name: State WE H Batter	Date: 08/25/2023 v			
		97							Incident Number: NAPP2321636998				
							ļ		Job Number: 18134				
	LITHO	LOGI	C /	SOIL	SAME	LIN	IG LO	3	Logged By: Edyte Konan Method: Backhoe				
	ordinate								Hole Diameter: N/A	Total Depth: 1.5'			
							H Chloric	de Test S		vapor, respectively. Chloride test			
performed with 1:4 dilution factor of soil to distilled water. No cor								No corre	ction factors included.				
Moisture Content								Lithologic Descriptions/Notes					
Dry	<112	0.0	No	PH02	0.5	+	0	SP	(0-0.5') SAND, dry, brown, v graded, trace of silt, no stair				
Dry	<112	0.0	No	PH02	1.5	+	. 1	ССНЕ	(1-1.5') CALICHE, dry, tan, graded, trace of silt, no stail				
• ,						1	. 2		@1.5 Refusal				
Total Depth													









## Sample Name: PH07 Date: 08/25/2023 Site Name: State WE H Battery Incident Number: NAPP2321636998 Job Number: 18134 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Edyte Konan Method: Backhoe Site Coordinates: 32.5109833, -103.341398 Hole Diameter: N/A Total Depth: 1' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. USCS/Rock Sample ID (feet bgs) Sample Depth (feet bgs) Moisture Chloride Staining Symbol Content Depth Vapor (ppm) **Lithologic Descriptions/Notes** (0-0.5') SAND, dry, brown, very fine grained, poorly 0 graded, trace of silt, no staining, no odor. Dry 300 0.0 No PH07 0.5 No PH07 CCHE (0.5-1') CALICHE, dry, tan, fine to coarse grained, well 180 0.0 1 1 Dry graded, trace of silt, no staining, no odor. **Total Depth**

## Sample Name: PH08 Date: 08/25/2023 Site Name: State WE H Battery Incident Number: NAPP2321636998 Job Number: 18134 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Edyte Konan Method: Backhoe Site Coordinates: 32.5109833, -103.341398 Hole Diameter: N/A Total Depth: 1' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. USCS/Rock Sample ID (feet bgs) Sample Depth (feet bgs) Moisture Chloride Staining Symbol Content Depth Vapor (ppm) **Lithologic Descriptions/Notes** 0 (0-0.5') SAND, dry, brown, very fine grained, poorly Dry 0.0 No PH08 0.5 graded, trace of silt, no staining, no odor. 236 No PH08 CCHE (0.5-1') CALICHE, dry, tan, fine to coarse grained, well 208 0.0 1 1 Dry graded, trace of silt, no staining, no odor. **Total Depth**

## Sample Name: PH09 Date: 08/25/2023 Site Name: State WE H Battery Incident Number: NAPP2321636998 Job Number: 18134 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Edyte Konan Method: Backhoe Site Coordinates: 32.5109833, -103.341398 Hole Diameter: N/A Total Depth: 1' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. USCS/Rock Sample ID (feet bgs) Sample Depth (feet bgs) Moisture Chloride Staining Symbol Content Depth Vapor (mdd) **Lithologic Descriptions/Notes** 0 (0-0.5') SAND, dry, brown, very fine grained, poorly graded, trace of silt, no staining, no odor. 0.0 No PH09 0.5 <112 Dry No PH09 CCHE (0.5-1') CALICHE, dry, tan, fine to coarse grained, well <112 0.0 1 1 Dry graded, trace of silt, no staining, no odor. **Total Depth**

## Sample Name: PH10 Date: 08/25/2023 Site Name: State WE H Battery Incident Number: NAPP2321636998 Job Number: 18134 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Edyte Konan Method: Backhoe Site Coordinates: 32.5109833, -103.341398 Hole Diameter: N/A Total Depth: 1.5' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. USCS/Rock Sample ID (feet bgs) Sample Depth (feet bgs) Moisture Chloride Staining Symbol Content Depth Vapor (mdd) **Lithologic Descriptions/Notes** 0 (0-0.5') SAND, dry, brown, very fine grained, poorly 0.0 No PH10 0.5 Dry 372 graded, trace of silt, no staining, no odor. CCHE (0.5-1.5') CALICHE, dry, tan, fine to coarse grained, 1 well graded, trace of silt, no staining, no odor. Dry 208 0.0 No PH10 1.5 2 **Total Depth**

# APPENDIX D

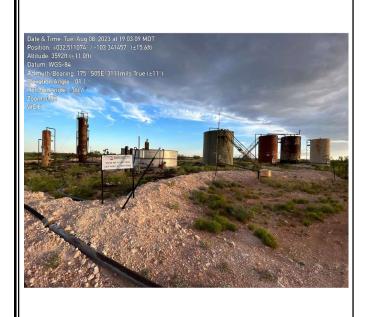
Photographic Log



# **e**TECH

#### **PHOTOGRAPHIC LOG**

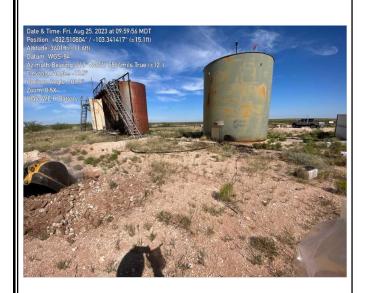
Forty Acres Energy, LLC State WE H Battery Incident Number NAPP2321636998



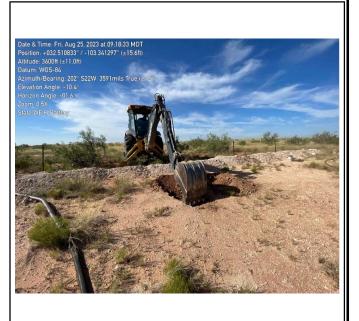
Photograph 1 Date: 08/08/2023

Description: Southeastern view of Site

assessment activities.



Photograph 3 Date: 08/25/2023 Description: Northwestern view of delineation activities.



Photograph 2 Date: 08/25/2023

Description: Southeastern view of delineation activities.



Photograph 4 Date: 08/25/2023 Description: Northwestern view of delineation activities.

# **APPENDIX E**

**Tables** 





# Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy, LLC State WE H Battery Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)		10	50	NE	NE	NE	1,000	2,500	20,000	
				Delineation So	oil Samples - Incident N	Number nAPP23216369	98			
PH01	08/25/2023	0.5	<0.0250	<0.0500	<20.0	143	<250	143	143	73.7
PH01	08/25/2023	1.5	<0.0250	<0.0500	<20.0	136	235	371	371	71.9
PH01	11/17/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
PH01	11/17/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
PH02	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	39.6
PH02	08/25/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	37.7
PH03	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH03	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH04	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH04	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH05	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH05	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH06	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH06	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH07	08/25/2023	0.5	<0.0250	<0.0500	<20.0	111	180	291	291	139
PH07	08/25/2023	1	<0.0250	<0.0500	<20.0	124	211	335	335	47.0
PH07	11/20/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192.0
PH07	11/17/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208.0
PH08	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	222
PH08	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	41.6



# Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy, LLC State WE H Battery Lea County, New Mexico

Sample I.D. Date (feet bgs) (mg/		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	
PH09	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH09	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH10	08/25/2023	0.5	<0.0250	0.0594	<20.0	<25.0	<50.0	<50.0	<50.0	412
PH10	08/25/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	210
PH07	11/17/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
PH07	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32

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

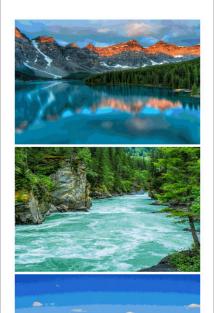
# **APPENDIX F**

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308205

Job Number: 23007-0001

Received: 8/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308205

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Donoutodi
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E308205-01A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH01 1.5'	E308205-02A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH02 0.5'	E308205-03A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH02 1.5'	E308205-04A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH03 0.5'	E308205-05A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH03 1'	E308205-06A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH04 0.5'	E308205-07A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH04 1'	E308205-08A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH05 0.5'	E308205-09A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH05 1'	E308205-10A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH06 0.5'	E308205-11A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH06 1'	E308205-12A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH07 0.5'	E308205-13A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH07 1'	E308205-14A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH01 0.5' E308205-01

		E300203-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
oluene	ND	0.0250	1	08/28/23	08/30/23	
-Xylene	ND	0.0250	1	08/28/23	08/30/23	
,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	143	125	5	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	250	5	08/30/23	08/31/23	
Surrogate: n-Nonane		109 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335037
Chloride	73.7	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH01 1.5' E308205-02

		E306203-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
,				*	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	136	50.0	2	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	235	100	2	08/30/23	08/31/23	
Surrogate: n-Nonane		107 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2335037
Chloride	71.9	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH02 0.5'

E308205-03						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		95.9 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335037
Chloride	39.6	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

## PH02 1.5'

		E308205-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		96.6 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2335037
Chloride	37.7	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH03 0.5'

E308205-05						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		94.9 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH03 1'

#### E308205-06

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Liiiit	Dilution	Trepared	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		95.0 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2335037
					08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

## PH04 0.5'

E308205-07						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		97.2 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH04 1'

#### E308205-08

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		93.5 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH05 0.5' E308205-09

		E300203-09				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
· · · · · · · · · · · · · · · · · · ·	Tesar	2		•	1 11111/ 200	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		95.8 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	·



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH05 1'

#### E308205-10

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		93.0 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH06 0.5' E308205-11

		E300203-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		92.3 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH06 1'

E308205-12
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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		92.7 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	•



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

## PH07 0.5'

		E308205-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	111	50.0	2	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	180	100	2	08/30/23	09/01/23	
Surrogate: n-Nonane		110 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2335037
Chloride	139	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH07 1'

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	124	50.0	2	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	211	100	2	08/30/23	09/01/23	
Surrogate: n-Nonane		104 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2335037
	47.0	20.0	1	08/29/23	08/31/23	



#### **QC Summary Data**

State WE H Battery Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 1:56:19PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335026-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.41 8.00 92.6 70-130 LCS (2335026-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.28 85.7 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.52 0.0250 5.00 90.4 70-130 4.56 0.0250 5.00 91.1 70-130 Toluene o-Xylene 4.67 0.0250 5.00 93.4 70-130 9.35 10.0 93.5 70-130 0.0500 p.m-Xvlene 93.5 14.0 15.0 70-130 Total Xylenes 0.0250 8.00 93.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.51 Matrix Spike (2335026-MS1) Source: E308205-02 Prepared: 08/28/23 Analyzed: 08/30/23 4.76 0.0250 5.00 ND 95.2 54-133 Benzene ND 61-133 Ethylbenzene 4.98 0.0250 5.00 99.6 Toluene 5.04 0.0250 5.00 ND 101 61-130 5.13 ND 103 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.3 0.0500 10.0 ND 103 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.40 8.00 Matrix Spike Dup (2335026-MSD1) Source: E308205-02 Prepared: 08/28/23 Analyzed: 08/30/23 4.49 0.0250 5.00 ND 89.7 54-133 5.90 20

61-133

61-130

63-131

63-131

63-131

70-130

5.81

5 90

5.86

5.88

5.88

20

20

20

20

20

4.70

4 75

4.84

9.68

14.5

7.37

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

93.9

95.1

96.7

96.8

96.8

92.1



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

41.0

6.75

20.0

## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
Reported:
23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
Project Manager: 9/1/2023 1:56:19PM

	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			
LCS (2335026-BS2)							Prepared: 0	8/28/23 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			
Matrix Spike (2335026-MS2)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			
Matrix Spike Dup (2335026-MSD2)				Source:	E308205-0	02	Prepared: 0	8/28/23 Anal	yzed: 08/30/23

50.0

8.00

ND

82.0

84.4

70-130

70-130

4.08

20



## **QC Summary Data**

State WE H Battery Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 9/1/2023 1:56:19PM Odessa TX, 79765 Project Manager: Erick Herrera

, ,,,,,,,									
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KM									Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335066-BLK1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
LCS (2335066-BS1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike (2335066-MS1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	215	25.0	250	ND	86.0	38-132			
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2335066-MSD1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	12.0	20	
Surrogate: n-Nonane	44.5		50.0		88.9	50-200			

Chloride

Chloride

Matrix Spike Dup (2335037-MSD1)

M2

M2

Prepared: 08/29/23 Analyzed: 08/31/23

20

### **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Number:	State WE H Battery 23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

		Anions	by EPA 3	00.0/9056	<b>A</b>				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335037-BLK1)							Prepared: 0	8/29/23 Anal	yzed: 08/30/23
Chloride	ND	20.0							
LCS (2335037-BS1)							Prepared: 0	8/29/23 Analy	yzed: 08/30/23
Chloride	237	20.0	250		94.9	90-110			
Matrix Spike (2335037-MS1)				Source:	E308201-	01	Prepared: 0	8/29/23 Analy	yzed: 08/31/23

250

250

20.0

20.0

585

585

12.3

60.3

Source: E308201-01

80-120

80-120

17.8

616

736

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



#### **Definitions and Notes**

ſ	Forty Acres Energy, LLC	Project Name:	State WE H Battery	
١	13000 W County RD 100	Project Number:	23007-0001	Reported:
١	Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:56

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Relinquished by (Signature)
MICHELLE GONZALES

Sample Matrix: S - Soft, Sd - Sofid, Sg - Sludge, A - Aqueous, O - Other

Relinquished by: (Signature)

Time

1700

Cate 08-25-23

Client: Forty Acres Energy, LLC.						Bill To		Т		L	ah U	e Or	ılı		$\neg$				AT		EPA P	rogram
Project:	State WE H B	attery			I	Attention:eTech Environmental & Safety	Solution Inc	1 ph	WOA		30.0.		Num	her	-	10	20			andard	CWA	SDWA
	Manager: Eric					Address: 13000 W County Rd 100	Someon Inc.		<b>50</b> 8		5			1000			<del> </del>	<del> </del> -		day TAT		
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City, Sta	te, Zip_Odess	a,TX, 797(	55			hone: (432)563-2200		1	1.5	Г		1	<u> </u>		Ī						<del></del>	
	281)777-4152					mall:		-	٥						ı		]		1		State	<del>1</del>
Email: et	ick@etechen	v.com, jo:	seph@et	echeny.co	m   1	NO: N/A	<del></del>	1	읂	<b>l</b> .			اہا	1		-			1 1	NMI CO	UT AZ	TXT
Collected	by: Edyte Ko	nan				ncident ID: naPP2321636998		1 _	ğ	5	%	욢	300.0		- 1	Z	l	ĭĕ	1 1		<del>-   -</del>	
Time Sampled	Onle Sampled	Matrix	the of Contrateurs	Sample 10		NEW P 2 32 1030333	Lab Number	Depth(ft.)	TPH GRO/DRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metah 6010	Chloride			ВСВОС		2000		, <u> </u>	Remarks	
10:00	8/25/2023	S	1			PH01	1	0.5'	ı				Į.		7	X		Ť				
10:10	8/25/2023	5	1			PHO1	2	1,5'								х	-					
10:20	8/25/2023	\$	1			PHO2	3	0.5'								Х						
10:30	8/25/2023	ş	1			PH02	4	1.5								Х					,	
10:40	8/25/2023	S	1			PHO3	5	0.5'								х						
10:50	8/25/2023	s	1			РНОЗ	0	1'								х						
11:00	8/25/2023	S	1	_		РН04	7	0.51								x				<del></del>		
11:10	8/25/2023	5	1			PH04	8	1'								X						:
11:20	8/25/2023	s	1		<u> </u>	PH05	9	0.5'								X						
11:30	8/25/2023	5	1			PH05	10	1'							$\dashv$	x				-		· <del></del>
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	d by: (Signature)		Date 081	25123	Time 15:00	Received by: (Signature) MICHELLE GONZALE.	08-25-2	3	Ilme	รถก	-	0				La	b Us	e On	ly		• • •	

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note. Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

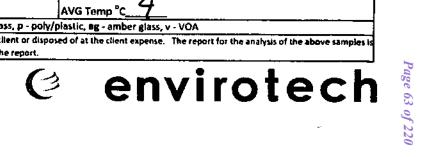


AVG Temp °C

envirotech

of 27	
26	
Page	

Client: Fo	orty Acres Ene	nov IIC	-		<del></del>	Bill To		<del>,</del>			4				_		T/		T EDA P	ogram
Project:	State WE H Ba	tterv			<b>⊣</b>	<del></del>					יט פני	se On	<del></del>		1.	130			CWA	SDWA
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Phone: (	281)777-4152	3,1A, 737	22			ne: (432)563-2200	<del> </del>		Į <u>ę</u>					- 1	ŀ	1			L	└
Email: er	ick@etechen				<u>Ema</u>			1	õ					- 1		1	li		State	┍┯┰┈╢
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Sampled	Date Sampled	Matrix	No of Containers	Sample ID		<u> </u>	Lab Number	Depth/ft.)	TPH GRD/ORO/ORO by 8015	8TEX by 8021	VOC by 8260	Metals 6010	Chloride		9650OC		2005		Remarks	
11:40	8/25/2023	5	1			PH06	11	0.5							х					
11:50	8/25/2023	S	1			PH06	12	1'							х					
12:00	8/25/2023	S	1			PH07	13	0.5'							х					
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Relinquish	ed by: (Signature	<del>e</del> )	Date		Time	Received by: (Signature)	Date		Time			AVG	Tem	p °c	£					
Sample Mat	rex: 5 - Soil, Sd - So	(id, Sg · Slvá	ge, A - Aque	ous, O · Other			Container Typ	e: g -	glass	. p - p	ροly/g				ass, v	/ - VO	Α			
Note: Sam	ples are discarde	id 30 days o	fter result	are reporte	d unless other a	irrangements are made. Hazardous san	ipies will be retu	rned t	o clier	nt or c	fispos							for the analysis	of the above	samples is
applicable	only to those sa	mples recei	ved by the	laboratory v	with this COC. Th	re liability of the laboratory is limited to	the amount pale	l for a	n the r	report	t							•		• 1



envirotech Inc.

Printed: 8/28/2023 12:40:25PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308205
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:11	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
	Custody (COC)					
	he sample ID match the COC?	4-1-4 COC	Yes			
	he number of samples per sampling site location ma	ten the COC	Yes			
	samples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: Couries	<u>r</u>	
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were a	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		Comment	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
• •	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	s, were custody/security seals intact?		No			
			NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4	<u>c</u>			
_	Container equeous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA NA			
	c head space less than 6-8 mm (pea sized or less)?		NA NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		ners conceteur	165			
	field sample labels filled out with the minimum info	armation:				
	Sample ID?	ormation.	Yes			
	Date/Time Collected?		Yes			
(	Collectors name?		No			
Sample 1	<b>Preservation</b>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	camples required to get sent to a subcontract laborato	rv?	No			
	a subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
		i so who.	1111	Subcontract Lab. NA		
Client I	<u>nstruction</u>					

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308207

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/10/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308207

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Lynn Jan Due

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

Γ	Forty Acres Energy, LLC	Project Name:	State WE H Battery	Donoutodi
١	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 13:01

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH08 0.5'	E308207-01A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH08 1'	E308207-02A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 1:01:41PM

#### PH08 0.5' E308207-01

		E300207-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		97.5 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2335037
Chloride	222	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 1:01:41PM

#### PH08 1'

		E308207-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2335026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		94.7 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2335037
Chloride	41.6	20.0	1	08/29/23	08/31/23	



#### **QC Summary Data**

State WE H Battery Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 10/10/2023 1:01:41PM **Volatile Organics by EPA 8021B** Analyst: IY Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335026-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.41 8.00 92.6 70-130 LCS (2335026-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.28 5.00 85.7 70-130 0.0250 Benzene Ethylbenzene 4.52 0.0250 5.00 90.4 70-130 91.1 70-130 Toluene 4.56 0.0250 5.00 4.67 93.4 70-130 o-Xylene 0.0250 5.00 9.35 0.0500 10.0 93.5 70-130 p,m-Xylene 14.0 93.5 70-130 0.0250 15.0 Total Xylenes 70-130 8.00 93.9 Surrogate: 4-Bromochlorobenzene-PID 7.51

Matrix Spike (2335026-MS1)					E308205-	02	Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.76	0.0250	5.00	ND	95.2	54-133	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	
Toluene	5.04	0.0250	5.00	ND	101	61-130	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130	

Matrix Spike Dup (2335026-MSD1)			Source:	Source: E308205-02			8/28/23 Analyzed: 08/30/23	
Benzene	4.49	0.0250	5.00	ND	89.7	54-133	5.90	20
Ethylbenzene	4.70	0.0250	5.00	ND	93.9	61-133	5.81	20
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	5.90	20
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	5.86	20
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.88	20
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	5.88	20
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
Project Manager: Erick Herrera

Odessa TX, 79765		Project Manage	r: Er	rick Herrera				10/	/10/2023 1:01:41PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Ana	lyzed: 08/30/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130				
LCS (2335026-BS2)							Prepared: 0	8/28/23 Ana	lyzed: 08/30/23	
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130				
Matrix Spike (2335026-MS2)	Source: E308205-02				Prepared: 0	8/28/23 Ana	lyzed: 08/30/23			
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130				
Matrix Spike Dup (2335026-MSD2)				Source:	E308205-	02	Prepared: 0	8/28/23 Ana	lyzed: 08/30/23	
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130	4.08	20		

8.00

6.75

84.4

70-130

## **QC Summary Data**

State WE H Battery Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 10/10/2023 1:01:41PM Odessa TX, 79765 Project Manager: Erick Herrera

, ,,,,,,,									
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335066-BLK1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
LCS (2335066-BS1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike (2335066-MS1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	215	25.0	250	ND	86.0	38-132			
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2335066-MSD1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	12.0	20	
Surrogate: n-Nonane	44.5		50.0		88.9	50-200			

## **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Number:	State WE H Battery 23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 1:01:41PM

Anions by EPA 300.0/9056A									Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes		
Blank (2335037-BLK1)							Prepared: 0	8/29/23 Anal	yzed: 08/30/23		
Chloride	ND	20.0									
LCS (2335037-BS1)							Prepared: 0	8/29/23 Anal	yzed: 08/30/23		
Chloride	237	20.0	250		94.9	90-110					
Matrix Spike (2335037-MS1)				Source:	E308201-	01	Prepared: 0	8/29/23 Anal	yzed: 08/31/23		
Chloride	616	20.0	250	585	12.3	80-120			M2		
Matrix Spike Dup (2335037-MSD1)				Source:	E308201-	01	Prepared: 0	8/29/23 Anal	yzed: 08/31/23		
Chloride	736	20.0	250	585	60.3	80-120	17.8	20	M2		

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## **Definitions and Notes**

	Forty Acres Energy, LLC	Project Name:	State WE H Battery	
ı	13000 W County RD 100	Project Number:	23007-0001	Reported:
ı	Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 13:01

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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Project N	Manager: Eric	x Herrera			- Ac	tention:eTech Environmental & Safety Sc Idress: 13000 W County Rd 100	stution, inc.	붙;	5V4	ZC	7			PCCC		-				TAT yet		_	
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12:20	8/25/2023	S	1			РН08	1	0.51								X							
12:30	8/25/2023	S	1			PH08	2	1.5'								X							
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Cample Ma	ıtını: S - Soil, Sd - S	نطی وی دی	dee, A - Aqui	eous, O · Othe	L		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
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applicable	e only to those s	amples recr	alved by th	e laboratory	with this COC.	The liability of the laboratory is limited to	the amount paid	i for o	n the c	raport		•							, <u>-</u>	u/	<b>21</b>		



@ envirotech

Printed: 8/28/2023 12:56:22PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308207
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:14	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
			<b>V</b>			
	ne sample ID match the COC? ne number of samples per sampling site location ma	atch the COC	Yes			
	amples dropped off by client or carrier?	iich inc coc	Yes	Q : Q :		
	e COC complete, i.e., signatures, dates/times, reque	ected analysees?	Yes Yes	Carrier: <u>Courier</u>		
	Il samples received within holding time?	sted analyses.	Yes			
3. Wele a	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		103		<u>Comment</u>	s/Resolution
	Furn Around Time (TAT)  a COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
•	e sample(s) received intact, i.e., not broken?					
	custody/security seals present?		Yes			
			No			
	, were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
		temperature. 1	<u> </u>			
	Container queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	.9	Yes			
	appropriate volume/weight or number of sample conta		Yes			
		mers conected?	103			
Field Lab	field sample labels filled out with the minimum inf	armation				
	ample ID?	ormation.	Yes			
	pate/Time Collected?		Yes			
C	ollectors name?		No			
Sample P	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ase?	No			
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborate	nrv?	No			
	subcontract laboratory specified by the client and	•	NA	Subcontract Lab: NA		
Client In	nstruction_					

Date

Project Information



Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308206

Job Number: 23007-0001

Received: 8/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308206

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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## Sample Summary

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Donoutodi
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:53

Client Sample ID	Lab Sample ID Matrix	Sampled Rece	eived Container
PH09 0.5'	E308206-01A Soil	08/25/23 08/28	8/23 Glass Jar, 2 oz.
PH09 1'	E308206-02A Soil	08/25/23 08/28	8/23 Glass Jar, 2 oz.

# Sample Data

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:53:44PM

### PH09 0.5' E308206-01

	E306200-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
ND	0.0250	1	08/28/23	08/30/23	
ND	0.0250	1	08/28/23	08/30/23	
ND	0.0250	1	08/28/23	08/30/23	
ND	0.0250	1	08/28/23	08/30/23	
ND	0.0500	1	08/28/23	08/30/23	
ND	0.0250	1	08/28/23	08/30/23	
	92.3 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
ND	20.0	1	08/28/23	08/30/23	
	84.3 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2335066
ND	25.0	1	08/30/23	08/31/23	
ND	50.0	1	08/30/23	08/31/23	
	95.7 %	50-200	08/30/23	08/31/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2335037
ND	20.0	1	08/29/23	08/31/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           84.3 %         mg/kg           MB/kg         mg/kg           ND         25.0           ND         50.0           95.7 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Anal           ND         20.0         1           84.3 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           95.7 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: 1Y           ND         0.0250         1         08/28/23           ND         0.0250         1         08/28/23           ND         0.0250         1         08/28/23           ND         0.0500         1         08/28/23           ND         0.0250         1         08/28/23           MD         0.0250         1         08/28/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/28/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         08/30/23           ND         50.0         1         08/30/23           ND         50.0         1         08/30/23           mg/kg         mg/kg         Analyst: KM	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/28/23         08/30/23           ND         0.0250         1         08/28/23         08/30/23           ND         0.0250         1         08/28/23         08/30/23           ND         0.0500         1         08/28/23         08/30/23           ND         0.0250         1         08/28/23         08/30/23           ND         0.0250         1         08/28/23         08/30/23           mg/kg         mg/kg         Analyst: IY         ND         08/30/23           Mg/kg         mg/kg         Analyst: KM         ND         20.0         1         08/28/23         08/30/23           mg/kg         mg/kg         Analyst: KM         ND         25.0         1         08/30/23         08/31/23           ND         25.0         1         08/30/23         08/31/23           ND         50.0         1         08/30/23         08/31/23           ND         50.0         1         08/30/23         08/31/23



## **Sample Data**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:53:44PM

### PH09 1'

#### E308206-02

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		96.0 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



## **QC Summary Data**

Forty Acres Energy, LLC State WE H Battery Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 1:53:44PM **Volatile Organics by EPA 8021B** Analyst: IY RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit % mg/kg mg/kg mg/kg mg/kg % % Notes Blank (2335026-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.41 8.00 92.6 70-130 LCS (2335026-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.28 5.00 85.7 70-130 0.0250 Benzene Ethylbenzene 4.52 0.0250 5.00 90.4 70-130 70-130 Toluene 4.56 0.0250 5.00 91.1 93.4 70-130 o-Xylene 4.67 0.0250 5.00 9.35 0.0500 10.0 93.5 70-130 p,m-Xylene 14.0 93.5 70-130 0.0250 15.0 Total Xylenes 8.00 93.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.51 Matrix Spike (2335026-MS1) Source: E308205-02 Prepared: 08/28/23 Analyzed: 08/30/23

Matrix Spike Dup (2335026-MSD1)				Source:	E308205-0	02	Prepared: 08/28/23 Analyzed: 08/30/23
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	
Toluene	5.04	0.0250	5.00	ND	101	61-130	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	
Benzene	4.76	0.0250	5.00	ND	95.2	54-133	

Matrix Spike Dup (2335026-MSD1)				Source:	E308205-	02	Prepared: 0	8/28/23 Analyzed: 08/30/23
Benzene	4.49	0.0250	5.00	ND	89.7	54-133	5.90	20
Ethylbenzene	4.70	0.0250	5.00	ND	93.9	61-133	5.81	20
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	5.90	20
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	5.86	20
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.88	20
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	5.88	20
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130		

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Forty Acres Energy, LLC Project Name: State WE H Battery Reported:
13000 W County RD 100 Project Number: 23007-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 1:53:44PM

Odessa TX, 79765		Project Manager	r: Er	ick Herrera				9	/1/2023 1:53:44PM
	Non	halogenated	Organics l	by EPA 80	15D - GI	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Ana	alyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			
LCS (2335026-BS2)							Prepared: 0	8/28/23 Ana	alyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			
Matrix Spike (2335026-MS2)				Source:	E308205-	02	Prepared: 0	8/28/23 Ana	alyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			
Matrix Spike Dup (2335026-MSD2)				Source:	E308205-	02	Prepared: 0	8/28/23 Ana	alyzed: 08/30/23

50.0

8.00

ND

82.0

84.4

70-130

70-130

4.08

20

41.0

6.75

20.0

## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
9/1/2023 1:53:44PM

	Nonha	logenated Or	ganics by l	EPA 8015I	O - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335066-BLK1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
LCS (2335066-BS1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike (2335066-MS1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	215	25.0	250	ND	86.0	38-132			
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2335066-MSD1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	12.0	20	
Surrogate: n-Nonane	44.5		50.0		88.9	50-200			

## **QC Summary Data**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Reported:			
13000 W County RD 100 Odessa TX, 79765	Project Number: Project Manager:	23007-0001 Erick Herrera	9/1/2023 1:53:44PM			

Anions by EPA 300.0/9056A								Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335037-BLK1)							Prepared: 0	8/29/23 An	alyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335037-BS1)							Prepared: 0	8/29/23 An	alyzed: 08/30/23
Chloride	237	20.0	250		94.9	90-110			
Matrix Spike (2335037-MS1)				Source:	E308201-	01	Prepared: 0	8/29/23 An	alyzed: 08/31/23
Chloride	616	20.0	250	585	12.3	80-120			M2
Matrix Spike Dup (2335037-MSD1)				Source:	E308201-	01	Prepared: 0	8/29/23 An	alyzed: 08/31/23
Chloride	736	20.0	250	585	60.3	80-120	17.8	20	M2

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## **Definitions and Notes**

	Forty Acres Energy, LLC	Project Name:	State WE H Battery	
l	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:53

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Received by OCD: 10/11/2023 11:32:30 AM

applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



@ envirotech

envirotech Inc.

Printed: 8/28/2023 12:51:27PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

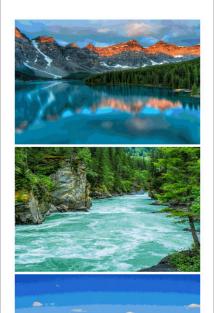
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308206
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:13	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>ier</u>	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Commen</u>	ts/Resolution
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	Cooler					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C.	ie 6°+2°C	Yes			
	Note: Thermal preservation is not required, if samples arminutes of sampling	e received w/i 15				
	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>			
Sample C						
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab						
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes			
	ate/Time Collected?		Yes			
	ollectors name?		No			
Sample P	reservation		110			
	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
-		,	1171			
	act Laboratory	9	NT.			
	amples required to get sent to a subcontract laborato	~	No	0.1		
29. was a	subcontract laboratory specified by the client and i	i so wno?	NA	Subcontract Lab: NA	A	
Client In	<u>istruction</u>					

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308208

Job Number: 23007-0001

Received: 8/28/2023

Revision: 4

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/10/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308208

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Lynn Jarbuc

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West Texas Midland/Odessa Area

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## **Sample Summary**

Γ	Forty Acres Energy, LLC	Project Name:	State WE H Battery	Reported:	
l	13000 W County RD 100	Project Number:	23007-0001	Reported:	
l	Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 12:57	

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH10 0.5'	E308208-01A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH10 1.5'	E308208-02A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.



# Sample Data

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 12:57:46PM

#### PH10 0.5' E308208-01

	E300200-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
ma/ka	ma/ka	Anal	•	<u> </u>	Batch: 2335026
		•	-	08/30/23	Batch: 2333020
		1			
		1			
		1			
ND	0.0250	1	08/28/23	08/30/23	
0.0594	0.0500	1	08/28/23	08/30/23	
0.0594	0.0250	1	08/28/23	08/30/23	
	91.3 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026
ND	20.0	1	08/28/23	08/30/23	
	84.0 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2335061
ND	25.0	1	08/30/23	08/30/23	
ND	50.0	1	08/30/23	08/30/23	
	93.9 %	50-200	08/30/23	08/30/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2335039
_	mg/kg  ND  ND  ND  ND  0.0594  0.0594  mg/kg  ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           0.0594         0.0500           0.0594         0.0250           91.3 %           mg/kg         mg/kg           ND         20.0           84.0 %         mg/kg           ND         25.0           ND         50.0	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           0.0594         0.0500         1           0.0594         0.0250         1           91.3 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           84.0 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Mg/kg         Analyst: IY           ND         0.0250         1         08/28/23           ND         0.0250         1         08/28/23           ND         0.0250         1         08/28/23           ND         0.0500         1         08/28/23           0.0594         0.0500         1         08/28/23           0.0594         0.0250         1         08/28/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/28/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/30/23           ND         50.0         1         08/30/23	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/28/23         08/30/23           0.0594         0.0500         1         08/28/23         08/30/23           0.0594         0.0250         1         08/28/23         08/30/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/28/23         08/30/23           mg/kg         mg/kg         Analyst: IV         ND         08/30/23           ND         25.0         1         08/30/23         08/30/23           ND         25.0         1         08/30/23         08/30/23           ND         50.0         1         08/30/23         08/30/23



# **Sample Data**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 12:57:46PM

## PH10 1.5'

		E308208-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		89.3 %	50-200	08/30/23	08/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2335039
Chloride	210	20.0	1	08/29/23	08/31/23	



## **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Number:	State WE H Battery 23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 12:57:46PM

13000 W Coulty KD 100		rioject Number.		0007-0001					
Odessa TX, 79765		Project Manager:	: Er	rick Herrera				1	0/10/2023 12:57:46PI
		Volatile O	rganics b	y EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			
LCS (2335026-BS1)							Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	4.28	0.0250	5.00		85.7	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
o,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
Matrix Spike (2335026-MS1)				Source:	E308205-0	02	Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2335026-MSD1)				Source:	E308205-0	02	Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	4.49	0.0250	5.00	ND	89.7	54-133	5.90	20	
Ethylbenzene	4.70	0.0250	5.00	ND	93.9	61-133	5.81	20	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	5.90	20	
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	5.86	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.88	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	5.88	20	
			0.00		00.1	50 10°			

8.00

7.37

92.1

70-130

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Forty Acres Energy, LLC Project Name: State WE H Battery Reported:
13000 W County RD 100 Project Number: 23007-0001
Odessa TX, 79765 Project Manager: Erick Herrera 10/10/2023 12:57:46PM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				10/1	0/2023 12:57:46PN
	Non	halogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit	Spike Level	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	%0	70	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			
LCS (2335026-BS2)							Prepared: 0	8/28/23 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			
Matrix Spike (2335026-MS2)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			
Matrix Spike Dup (2335026-MSD2)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130	4.08	20	

8.00

6.75

84.4

70-130

## **QC Summary Data**

Forty Acres Energy, LLC Project Name: State WE H Battery Reported:
13000 W County RD 100 Project Number: 23007-0001
Odessa TX, 79765 Project Manager: Erick Herrera 10/10/2023 12:57:46PM

Guessa 111, 19105		Troject Manage	. 21	ick ficificia					
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335061-BLK1)							Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			
LCS (2335061-BS1)							Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			
Matrix Spike (2335061-MS1)				Source:	E308208-	01	Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			
Matrix Spike Dup (2335061-MSD1)				Source:	E308208-	01	Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132	0.163	20	
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Chloride

Chloride

Matrix Spike Dup (2335039-MSD1)

699

662

## **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:	,						Reported:		
Odessa TX, 79765		Project Manager	rick Herrera				10/10/2023 12:57:46PM				
		Anions	by EPA 3	300.0/9056	1				Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2335039-BLK1)							Prepared: 0	8/29/23 An	alyzed: 08/31/23		
Chloride	ND	20.0									
LCS (2335039-BS1)							Prepared: 0	8/29/23 An	alyzed: 08/31/23		
Chloride	240	20.0	250		96.2	90-110					
Matrix Spike (2335039-MS1)				Source:	E308208-	01	Prepared: 0	8/29/23 An	alyzed: 08/31/23		

250

250

20.0

20.0

412

412

114

100

Source: E308208-01

80-120

80-120

5.33

Prepared: 08/29/23 Analyzed: 08/31/23

20

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## **Definitions and Notes**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 12:57

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Received by OCD: 10/11/2023 11:32:30 AM

Bill To

TAT **EPA Program** Lab Use Only 1D 2D 3D Standard Attention:eTech Environmental & Safety Solution, Inc.
Address: 13000 W County Rd 100 CWA F30X208 Job Number 230070001 S day TAT RCRA Analysis and Method

City, State, Zip\_Odessa,TX, 79765 Phone: (432)563-2200 Email:

Client: Forty Acres Energy, LLC.

Project Manager: Erick Herrera

Address: 13000 W County Rd 100

City, State, Zip\_Odessa,TX, 79765

Project: State WE H Battery

City, Stat	e, Zip_Odess	a,TX, 7976	65		Phone: (432)563-2200			5					T	Τ			i	Г									
Phone: (	281)777-4152				Email;		1	ĝ.					1			1		•	tate								
Email: er	ick@etechen	v.com, jos	seph@et	echenv.com	WO: N/A									8	_	_		•	≥			1	NM C	:O U	T AZ	XT I	T
Collected	by: Edyte Ko	nan			Incident ID: naPP2321636998	<del></del>	-	Ę	ĝ	32	8	훘	X X BGDOC NM		Ĕ				1	$\top$	1						
Time Sampled	Deta Sampled	Matrix	She of Consembles	Sample ID		Lab Number		ТРН GRO/DRO/ОЯО 8015	BTEX by	900	Metab 6	Chionde	BG00C		SDOC			Re	emark	s							
13:00	8/25/2023	S	1		PH10	1	0.5'			-			_														
13:10	8/25/2023	S	1		PH10	2	1'						X														
													 -	-													
-													Τ							•							

Additional	Instructions:

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

I, (field sampler), attest to the validity and aut	herticity of this samp	le. I am aware th	at tampering with or intentionally mislabelling	the sample location,		Samples requiring thermal preservation must be received on see the day they are sampled or		
date or time of collection is considered fraud a	and may be grounds fo	or legal action.	Sampled by:		<u> </u>	received packed in ice at an avg temp above Ω but less than 6 °C on subsequent days.		
Relinquished by: (Signature)	Date 08/25/23	15:00	Received by: (Signature) Michelle Gonzales	Date 08-25-23	1500	Lab Use Only Received on ice: (Y) / N		
Relinquished by: (Signature) Michelle Gonzales	08-25-23	1700	Respired by Asimalura Man	8/28/23	9.55	12 13		
Relinquished by: (Signature)	Date	Time	Received by (Signature)	Date	lime	AVG Temp °C 4		
Sample Matrix S - Soil, Sd - Solid, Se - Skidee,	A - Aqueous, O - Othe	·		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				

Note Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report



# envirotech

envirotech Inc.

Printed: 8/28/2023 1:03:53PM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308208
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:15	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
	Custody (COC)					
	he sample ID match the COC?	tab tha COC	Yes			
	he number of samples per sampling site location ma	ich the COC	Yes			
	samples dropped off by client or carrier?	atad amalyzasa?	Yes Yes	Carrier: Courie	<u>er</u>	
	ne COC complete, i.e., signatures, dates/times, reque all samples received within holding time?	sted allalyses:	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	ies		<u>Comment</u>	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	s, were custody/security seals intact?		No NA			
	he sample received on ice? If yes, the recorded temp is 4°C.		NA			
	Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
		temperature. 4	<u> </u>			
_	Container equeous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NO NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		ners conceteur	168			
	field sample labels filled out with the minimum info	ormation:				
	Sample ID?	ormation.	Yes			
	Date/Time Collected?		Yes			
(	Collectors name?		No			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No			
<u>Multiph</u>	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	camples required to get sent to a subcontract laborate	orv?	No			
	a subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: NA		
	nstruction					
CHERT	<u>nstruction</u>					

Date

Signature of client authorizing changes to the COC or sample disposition.

**Project Information** 



envirotech

applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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

November 21, 2023

JOSEPH GUESNIER
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: ST. WE H BATTERY

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

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

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

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

Wite Sough

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

#### Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

Project Name: ST. WE H BATTERY

Project Number: KH237050

Project Location: NONE GIVEN

Sampling Date: 11/20/2023

Sampling Type: Soil

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

#### Sample ID: PH0 7 4' (H236313-01)

DTEV 0021D

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/20/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.5	% 49.1-14	8						

Applyand By 1H /

Cardinal Laboratories \*=Accredited Analyte

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Mr. Songh

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



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

#### Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

Project Name: ST. WE H BATTERY Project Number: KH237050

Project Location: NONE GIVEN Sampling Date: 11/17/2023

Sampling Type: Soil

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

#### Sample ID: PH0 7 5' (H236313-02)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/20/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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



# Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

Project Name: ST. WE H BATTERY
Project Number: KH237050

mg/kg

Project Location: NONE GIVEN

Sampling Date: 11/17/2023

Sampling Type: Soil

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

# Sample ID: PH0 7.1 DS 0.5-1' (H236313-03)

BTEX 8021B

DILX GOZID	11197	K9	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/20/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories \*=Accredited Analyte

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MA Sough

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



# Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

Project Name: ST. WE H BATTERY
Project Number: KH237050

Project Location: NONE GIVEN

Sampling Date: 11/17/2023

Sampling Type: Soil

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

# Sample ID: PH0 1 4' (H236313-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/20/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.6	% 49.1-14	8						

# Cardinal Laboratories \*=Accredited Analyte

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MA Sough

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



# Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

Project Name: ST. WE H BATTERY
Project Number: KH237050

Project Location: NONE GIVEN

Sampling Date: 11/17/2023

Sampling Type: Soil

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

# Sample ID: PH0 1 5' (H236313-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/20/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/20/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/20/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

# Cardinal Laboratories

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Whe South

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

\*=Accredited Analyte



# **Notes and Definitions**

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

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

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Mile Sough

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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† Cardinal cannot accept verbal	Observed Temp. °C (, ) Sample Condition Cool Intact Corrected Temp. °C   Yes   Yes No   No		Time: 236 MMON	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance. In services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or oth. Wase.  Received By:  Verba: Results   PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable					0.551			# CON	B OR (C) TAINERS NDWATE EWATER	3			ttery	Project Owner: 40 Klz Endsy	Fax #:	State: 11 Zip: 64220	ST	lasey		
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	CHECKED BY: (Initials)	REWARDS	All Result	Ilimitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, regardless of whether such claim is based upon any of the above stated reasons or oth, wise.  Ceived By:  Verba: Result:	tract or tort, shall be limited to the amount paid by the client gand received by Cardinal within 30 days after completion o			. 0855	0.580	0480		1 11-20 9	SLUDG OTHER ACID/E ICE / C OTHER DATE	R: BASE: OOL	PRESERV. SAMPLING	Fax #:	Phone #: 506 420 5278	State: Zip:	City:	Address:	Attn: James Mostinat	Company: 40 Alex Engly	P.O. #:	
celey.keene@cardinallabsnm	Turnaround Time: Standard Y Rush Thermometer ID #140 Correction Factor 0°C	į.	are emailed. Please provid	lt: □ Yes □ No	for the		Y					-	CL	PH						₩		<b>Y</b>		
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December 04, 2023

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

RE: STATE WE "H" BATTERY

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

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

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

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

Project Name: STATE WE "H" BATTERY

Project Number: KH237050

Project Location: 40 ACRES ENERGY

Sampling Date: 11/29/2023

Sampling Type: Soil

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

# Sample ID: PH 7.1 DS 1.5' (H236422-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/30/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

Released to Imaging: 12/22/2023 8:02:55 AM

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

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# **APPENDIX G**

# **NMOCD Notifications**



# **Erick Herrera**

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, August 17, 2023 9:22 AM

**To:** Erick Herrera

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning 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 Environmental Bureau 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: Thursday, August 17, 2023 8:11 AM

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) 8/22 - 8/25/23

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

Good morning,

40 Acres Energy anticipates conducting confirmation soil sampling activities at the following sites from August 22<sup>nd</sup> through August 25<sup>th</sup>.

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: West Eumont Unit #417/LW2 Battery

Incident Number: nAPP2222156995

API#: 30-025-44254

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: State WE H Battery Incident Number: nAPP2321636998

API#: 30-025-03372

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: Atlantic State #003 Incident Number: nAPP2321654246

API#: 30-025-03508

Thank you,

**Erick Herrera** Staff Geologist



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

# **APPENDIX H**

# Original Submitted RWP





# **REMEDIATION WORK PLAN**

State WE H Battery

Lea County, New Mexico

Incident Number NAPP2321636998

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

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



# **SYNOPSIS**

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

# SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit F, Section 02, Township 21 South, Range 35 East, in Lea County, New Mexico (32.510833°, -103.341361°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A**).

On August 25, 2022, it was discovered that a water tank overflowed and released approximately 1 barrel (bbls) of crude oil and 7 bbls of produced water onto the production pad surface and into the adjacent eastern pasture. No Fluids were recovered. The New Mexico Oil Conservation Division (NMOCD) did not receive a Release Notification and Corrective Action Form C-141 (Form C-141) within 15 days of the release. As a result, FAE submitted a Form C-141 with release incident details, which was received by the NMOCD on August 5, 2023, and was subsequently assigned Incident Number NAPP2321636998. Initial response efforts by FAE included the removal of immediate soil impacts based on visual observation, totaling 84 cubic yards (CYs). FAE provided a map of the release extent which is presented as the Area of Concern (AOC) on **Figure 2** in **Appendix A**. FAE has since backfilled the excavation inside the containment with caliche in an effort to mitigate potential safety hazards by restoring the stability around active production equipment.

# SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.58-mile northeast of the Site. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids



were observed throughout the drilling process nor after a 72-hour observation period. The referenced well record for the soil boring is provided in **Appendix B**.

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

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

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

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

# SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From August 8, 2023, to August 25, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and verify the presence or absence of remaining residual impacted soil within and around the AOC. Soil samples were collected from ten delineation potholes (PH01 through PH10) advanced via mechanical equipment. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

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

# LABORATORY ANALYTICAL RESULTS

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

# PROPOSED REMEDIATION WORK PLAN

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



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

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

- Advancing an additional delineation pothole north of PH07 to collect a minimum of two soil samples, representing the highest observed field screening concentrations and the greatest depth. The samples will be collected, handled and analyzed for BTEX, TPH and chloride by an accredited lab.
- Submitting a CRR with additional delineation soil samples demonstrating concentrations of COCs have defined the horizontal periphery of the AOC and requesting NFA.

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

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

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera Staff Geologist

CC:

Erich

David Schellstede, Forty Acres Energy New Mexico Oil Conservation Division Joseph S. Hernandez Senior Managing Geologist



# Appendices:

**Appendix A** Figure 1: Site Map

Figure 2: Delineation Soil Sample Locations

**Appendix B** Referenced Well Records

Appendix C Soil Sampling Logs
Appendix D Photographic Log

Appendix E Tables

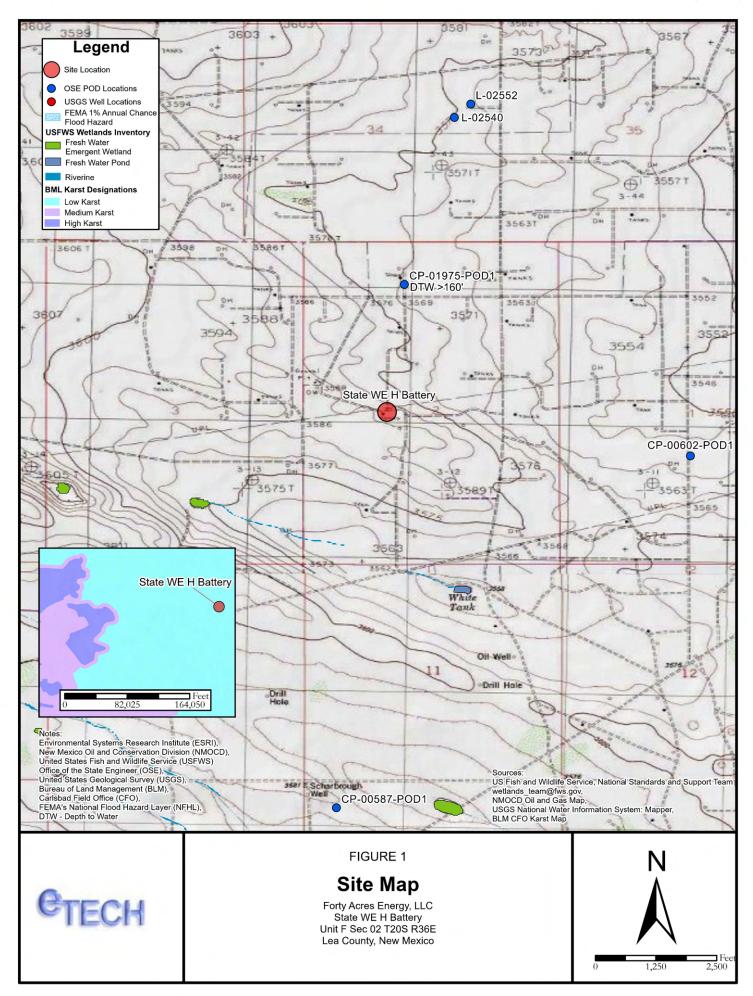
**Appendix F** Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix G NMOCD Notifications

# **APPENDIX A**

Figures







# **APPENDIX B**

Referenced Well Records





	OSE POD NO	. (WELL NO.	.)	WELL TAG ID NO.		OSE FILE NO(	S).		
GENERAL AND WELL LOCATION	POD-1			213A19		CP-1975			
AT.	WELL OWN					PHONE (OPTI-	ONAL)		
0	Clay Tom	-							
T	WELL OWN	ER MAILING	ADDRESS			CITY		STATE NIM 992	ZIP
WE	Box 6					Monument		NM 882	03
S	WELL		DE		ECONDS				
VI.	LOCATIO	N LAT	TITUDE	32 31	09.6 <sub>N</sub>	* ACCURACY	REQUIRED: ONE TENT	ΓΗ OF A SECOND	
ER/	(FROM GF	PS) LON	NGITUDE	103 20	24.7 W	* DATUM REG	QUIRED: WGS 84		
GEN	DESCRIPTION	ON RELATIN	IG WELL LOCATION TO	STREET ADDRESS AND COMMON LA	NDMARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
<u>-</u>									
			1				ı		
	LICENSE NO		NAME OF LICENSED	Boyd Coffey			NAME OF WELL DRI	ILLING COMPANY Coffey Drilling	7
			DDH I DIG ENDED		DODE HO	LE DEDELL (ET)			D (ETT)
	DRILLING S		DRILLING ENDED 8-24-2023	DEPTH OF COMPLETED WELL (FT) 160		LE DEPTH (FT) 160	DEPTH WATER FIRS	ST ENCOUNTEREI NA	D (FT)
							STATIC WATER LEV	VEL IN COMPLETE	D WELL (ET)
Z	COMPLETE	O WELL IS:	ARTESIAN	DRY HOLE SHALLOW (U	NCONFINED)		STATIC WATER LEV	NA	ED WELL (I-1)
TIO	DRILLING F.	LUID:	AIR	MUD ADDITIVES -	SPECIFY:		1		
& CASING INFORMATION	DRILLING M	IETHOD:	✓ ROTARY	HAMMER CABLE TOOL	ОТНЕ	R – SPECIFY:			
NF	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OF	2	ASING	CASING	CASING WA	LL SLOT
5	FROM	TO	DIAM	GRADE (include each casing string, and	CON	NECTION	INSIDE DIAM.	THICKNES	SS SIZE
ASI			(inches)	note sections of screen)	1 1	「YPE ling diameter)	(inches)	(inches)	(inches)
S C	0	20	10	PVC		bell	5	sdr 21	
NG	20	100	8.75	PVC		bell	5	sdr 21	
III	100	120	8.75	PVC		bell	5	sdr 21	0.020
2. DRILLING	120	160	8.75	PVC		bell	5	sdr 21	
7									
			<u> </u>	<u> </u>			<u> </u>		
	DEPTH	(feet bgl)	BORE HOLE	LIST ANNULAR SEAL			AMOUNT		THOD OF
IAL	FROM	TO	DIAM. (inches)	GRAVEL PACK SIZE-RA	NGE BY INTE	ERVAL	(cubic feet)	PLA	ACEMENT
TER	0	20	10	3/8 Bentonite			8		Pour
MA	20	160	8.75	3/8 pea gr	avel		38		Pour
ANNULAR MATERIAL									
TOL									
ANI									
e,									

 FOR OSE INTERNAL USE
 WR-20 WELL RECORD & LOG (Version 04/30/19)

 FILE NO.
 POD NO.
 TRN NO.

 LOCATION
 WELL TAG ID NO.
 PAGE 1 OF 2

	DEPTH (1	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
			_	D 10 1 5 0 1	V ()	ZONES (gpill)
	0	5	5	Red Sandy Top Soil	Y VN	
	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	
CL	108	160	52	Red Clay	Y ✓ N	
WE					Y N	
OF					Y N	
500					Y N	
1C 1					Y N	
007					Y N	
EO					Y N	
ROC					Y N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
4.1					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					YN	
	METHOD I	I ISED TO ES	TIMATE VIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
					WELL YIELD (gpm):	0.00
	PUMI	РЦА	IR LIFT ✓	BAILER OTHER – SPECIFY:		
ION	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE		
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	FORMATION:			
PER						
3 SU						
; RIG						
EST	PRINT NAM	ME(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TE	IAN LICENSEE:
5. T		(0) 01 2				
r.)	BY SIGNIN	G BELOW	, I CERTIFY TH	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA	EGOING IS A TRUE A	ND CORRECT
URI				WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPL		
SIGNATURE						
6.		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
EOI	OSE INTER	NIAT LICE		WD 20 WEI	I RECORD & LOG (Ve	maiom 04/20/2010)

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

# **APPENDIX C**

Soil Sampling Logs



				_		Sample Name: PH01	Date: 08/25/2023
						Site Name: State WE H Batter	
				1		Incident Number: NAPP232163 Job Number: 18134	36998
LITUA	LOGIC /	60II	CAMPLI	NG LOC	<u>,                                      </u>		Method: Backhoe
				NG LUC	<b>.</b>	Logged By: Edyte Konan	
Site Coordinates				CH Chlorid	la Tast S	Hole Diameter: N/A	Total Depth: 1.5' vapor, respectively. Chloride test
						ection factors included.	apor, respectively. Official test
Moisture Content Chloride (ppm)	Vapor (ppm) Staining	Sample ID	Sample Depth (feet bgs)		USCS/Rock Symbol		scriptions/Notes
Dry <112	0.3 No	PH01	0.5	0	SP	(0-0.5') SAND, dry, brown, v graded, trace of silt, no stair	
Dry <112	0.0 No	PH01	1.5	1	CCHE	(1-1.5') CALICHE, dry, tan, t graded, trace of silt, no stair	
			_	2		@1.5 Refusal	
					Total [	) Denth	

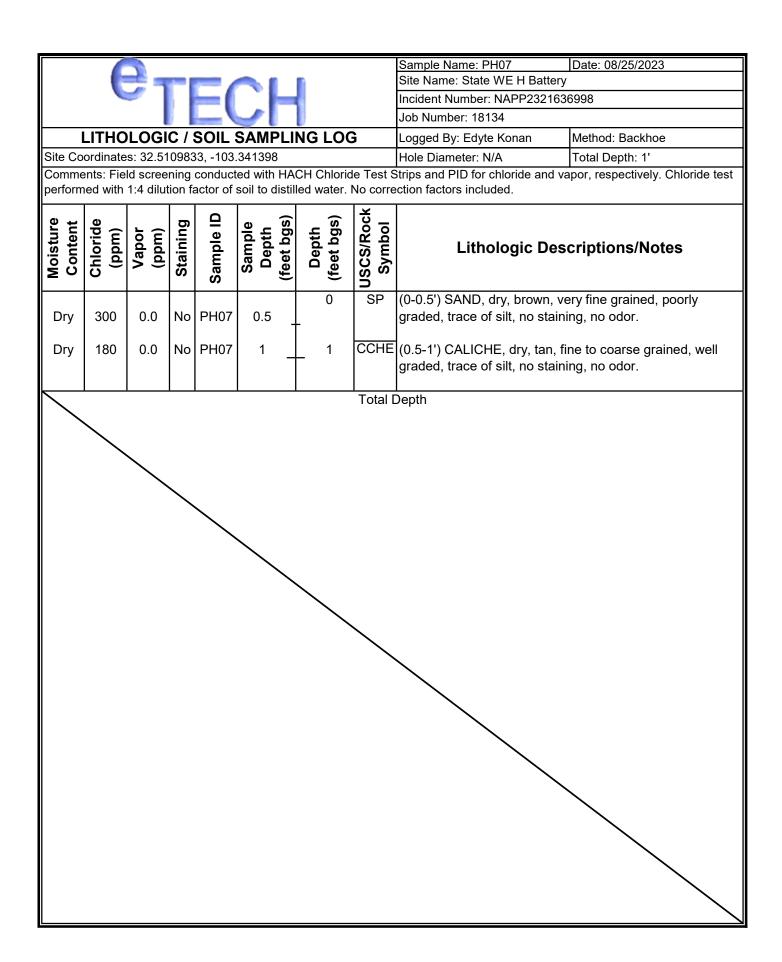
									10 I- N DI 100	D-+ 00/05/0000
		<b>—</b>			-				Sample Name: PH02 Site Name: State WE H Batter	Date: 08/25/2023
GTECH								Incident Number: NAPP2321636998		
								Job Number: 18134		
	LITHO	LOGI	C /	SOIL	SAMP	LIN	G LO		Logged By: Edyte Konan	Method: Backhoe
LITHOLOGIC / SOIL SAMPLING LOG Site Coordinates: 32.5109833, -103.341398									Hole Diameter: N/A	Total Depth: 1.5'
							H Chloric	de Test S		vapor, respectively. Chloride test
perform	ned with	1:4 dilut	ion fa	actor of	soil to d	istille	d water.	No corre	ection factors included.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	(feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	_	scriptions/Notes
Dry	<112	0.0	No	PH02	0.5	+	0	SP	(0-0.5') SAND, dry, brown, v graded, trace of silt, no stail	
Dry	<112	0.0	No	PH02	1.5	+	1	CCHE	(1-1.5') CALICHE, dry, tan, graded, trace of silt, no stai	
						1	2		@1.5 Refusal	-
egthinspace =  egt								Total [	Depth	

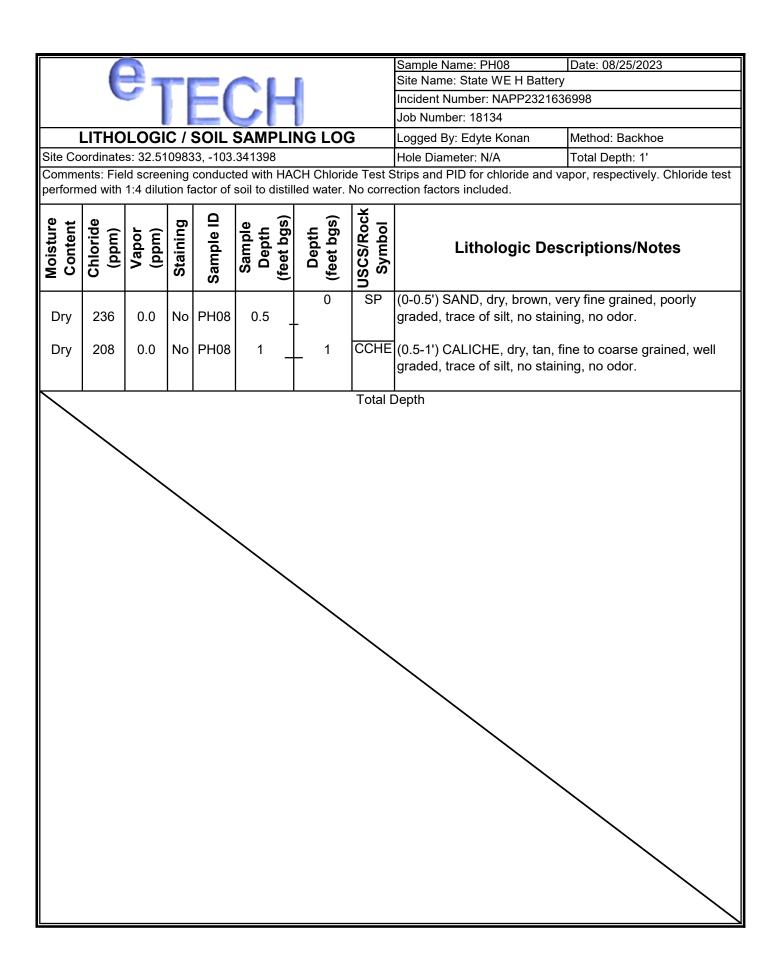
				Date: 08/25/2023							
			Site Name: State WE H Battery								
		-1	Incident Number: NAPP2321636998								
LITUOLOGI	IC / COIL CATE	UNO LOO	Job Number: 18134	V4.11 - 1. D 1.1							
	IC / SOIL SAME	LING LUG	88 7 7	Method: Backhoe							
Site Coordinates: 32.5		JACH Chloride Teet	1	Total Depth: 1'							
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID Sample Depth	Depth (feet bgs) USCS/Rock Symbol	Lithologic Descriptions/Notes								
Dry <112 0.0	No PH03 0.5	0 SP	(0-0.5') SAND, dry, brown, ver graded, trace of silt, no staining								
		†	g. adda, a dod or om, no otanim	g, 110 0 doi:							
Dry <112 0.0	No PH03 1	1									
Total Depth											

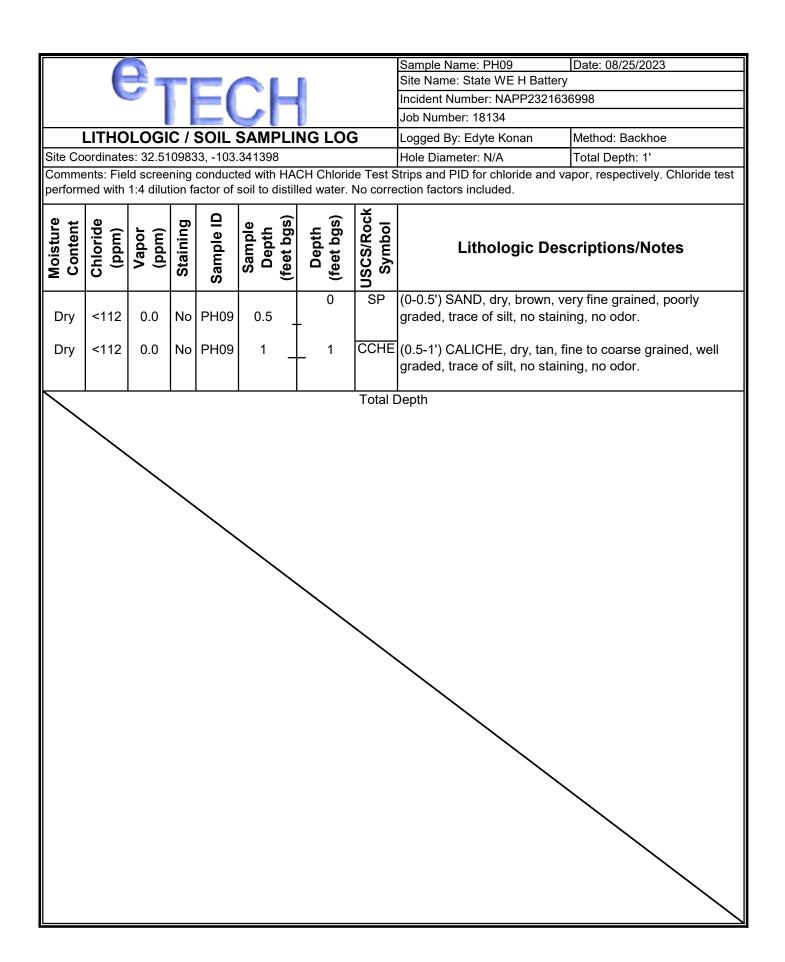
(									
							Sample Name: PH04	Date: 08/25/2023	
_	J 7						Site Name: State WE H Batte	·	
`					1	Incident Number: NAPP2321636998			
					U		Job Number: 18134		
				SAMPLI	NG LOG	<del>}</del>	Logged By: Edyte Konan	Method: Backhoe	
Site Coordinat							Hole Diameter: N/A	Total Depth: 1'	
Comments: Figure 2	eld screei n 1:4 dilut	ning ion fa	conduct actor of	ed with HA soil to distil	CH Chlorid led water. l	le Test S No corre	Strips and PID for chloride and ction factors included.	vapor, respectively. Chloride test	
Moisture Content Chloride (ppm)	Chloride (ppm) Vapor (ppm) Staining Sample ID Sample Depth (feet bgs) Depth (feet bgs) USCS/Rock						Lithologic Descriptions/Notes		
Dry <112	0.0	No	PH04	0.5	0	SP	(0-0.5') SAND, dry, brown, graded, trace of silt, no sta		
Dry <112	0.0	No	PH04	1 _	_ 1				
					1	Total [	Depth		

<b>LITHC</b> Site Coordinate	ີ ງ		=(				Sample Name: PH05 Site Name: State WE H Batte	Date: 08/25/2023
	ך ₹						Site Name: State WE H Batte	ery
								<u>.                                      </u>
						Incident Number: NAPP2321636998		
					U	Job Number: 18134		
Site Coordinate				SAMPLI	NG LOC	<del>}</del>	Logged By: Edyte Konan	Method: Backhoe
							Hole Diameter: N/A	Total Depth: 1'
Comments: Fied performed with	eld screer 1:4 diluti	ning ( ion fa	conduct actor of	ed with HA soil to distil	CH Chloric led water.	le Test S No corre	Strips and PID for chloride and ection factors included.	vapor, respectively. Chloride test
Moisture Content Chloride (ppm)	Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample Depth (feet bgs) Depth (feet bgs) USCS/Rock						Lithologic Descriptions/Notes	
Dry <112	0.0	No	PH05	0.5	0	SP	(0-0.5') SAND, dry, brown, graded, trace of silt, no sta	
Dry <112	0.0	No	PH05	1 _	1			
	1					Total D	Depth	

# Sample Name: PH06 Date: 08/25/2023 Site Name: State WE H Battery Incident Number: NAPP2321636998 Job Number: 18134 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Edyte Konan Method: Backhoe Site Coordinates: 32.5109833, -103.341398 Hole Diameter: N/A Total Depth: 1' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. USCS/Rock Sample ID (feet bgs) Sample Depth (feet bgs) Moisture Chloride Staining Symbol Content Depth Vapor (mdd) **Lithologic Descriptions/Notes** 0 (0-0.5') SAND, dry, brown, very fine grained, poorly 0.0 No PH06 0.5 graded, trace of silt, no staining, no odor. <112 Dry No PH06 CCHE (0.5-1') CALICHE, dry, tan, fine to coarse grained, well <112 0.0 1 1 Dry graded, trace of silt, no staining, no odor. **Total Depth**







# Sample Name: PH10 Date: 08/25/2023 Site Name: State WE H Battery Incident Number: NAPP2321636998 Job Number: 18134 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Edyte Konan Method: Backhoe Site Coordinates: 32.5109833, -103.341398 Hole Diameter: N/A Total Depth: 1.5' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. USCS/Rock Sample ID (feet bgs) Sample Depth (feet bgs) Moisture Chloride Staining Symbol Content Depth Vapor (mdd) **Lithologic Descriptions/Notes** 0 (0-0.5') SAND, dry, brown, very fine grained, poorly 0.0 No PH10 0.5 Dry 372 graded, trace of silt, no staining, no odor. CCHE (0.5-1.5') CALICHE, dry, tan, fine to coarse grained, 1 well graded, trace of silt, no staining, no odor. Dry 208 0.0 No PH10 1.5 2 **Total Depth**

# APPENDIX D

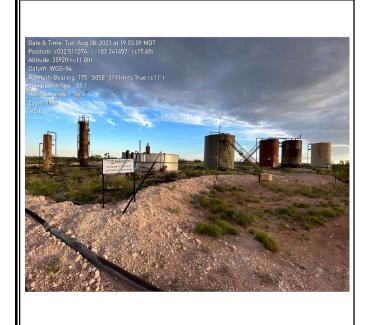
Photographic Log



# **e**TECH

#### **PHOTOGRAPHIC LOG**

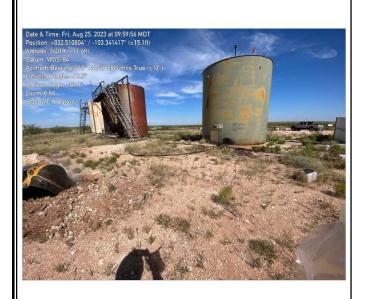
Forty Acres Energy, LLC State WE H Battery Incident Number NAPP2321636998



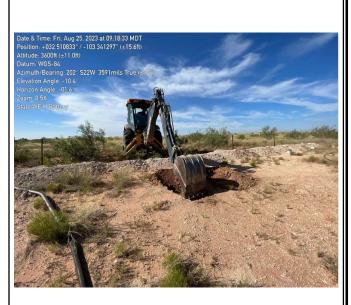
Photograph 1 Date: 08/08/2023

Description: Southeastern view of Site

Description: Southeastern view of Site assessment activities.



Photograph 3 Date: 08/25/2023 Description: Northwestern view of delineation activities.



Photograph 2 Date: 08/25/2023

Description: Southeastern view of delineation activities.



Photograph 4 Date: 08/25/2023 Description: Northwestern view of delineation activities.

## **APPENDIX E**

**Tables** 

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





#### Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy, LLC State WE H Battery Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Delineation So	oil Samples - Incident N	Number NAPP23216369	98			
PH01	08/25/2023	0.5	<0.0250	<0.0500	<20.0	143	<250	143	143	73.7
PH01	08/25/2023	1.5	<0.0250	<0.0500	<20.0	136	235	371	371	71.9
PH02	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	39.6
PH02	08/25/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	37.7
PH03	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH03	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH04	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH04	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH05	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH05	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH06	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH06	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH07	08/25/2023	0.5	<0.0250	<0.0500	<20.0	111	180	291	291	139
PH07	08/25/2023	1	<0.0250	<0.0500	<20.0	124	211	335	335	47.0
PH08	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	222
PH08	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	41.6
PH09	08/25/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH09	08/25/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH10	08/25/2023	0.5	<0.0250	0.0594	<20.0	<25.0	<50.0	<50.0	<50.0	412
PH10	08/25/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	210

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**

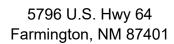
Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Report to:
Erick Herrera





Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308205

Job Number: 23007-0001

Received: 8/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308205

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

West Texas Midland/Odessa Area

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Rayny Hagan

Technical Representative

Office: 505-421-LABS(5227)

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PH02 1.5'	9
PH03 0.5'	10
PH03 1'	11
PH04 0.5'	12
PH04 1'	13
PH05 0.5'	14
PH05 1'	15
PH06 0.5'	16
PH06 1'	17
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#### **Sample Summary**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Donoutodi
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E308205-01A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH01 1.5'	E308205-02A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH02 0.5'	E308205-03A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH02 1.5'	E308205-04A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH03 0.5'	E308205-05A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH03 1'	E308205-06A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH04 0.5'	E308205-07A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH04 1'	E308205-08A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH05 0.5'	E308205-09A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH05 1'	E308205-10A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH06 0.5'	E308205-11A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH06 1'	E308205-12A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH07 0.5'	E308205-13A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH07 1'	E308205-14A	Soil	08/25/23	08/28/23	Glass Jar, 2 oz.



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH01 0.5' E308205-01

		E300203-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
oluene	ND	0.0250	1	08/28/23	08/30/23	
-Xylene	ND	0.0250	1	08/28/23	08/30/23	
,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	143	125	5	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	250	5	08/30/23	08/31/23	
Surrogate: n-Nonane		109 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335037
Chloride	73.7	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH01 1.5' E308205-02

		1500203 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	136	50.0	2	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	235	100	2	08/30/23	08/31/23	
Surrogate: n-Nonane		107 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2335037
Chloride	71.9	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH02 0.5'

		E308205-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		95.9 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335037
Chloride	39.6	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH02 1.5'

		E308205-04					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2335026	
Benzene	ND	0.0250	1	08/28/23	08/30/23		
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23		
Toluene	ND	0.0250	1	08/28/23	08/30/23		
o-Xylene	ND	0.0250	1	08/28/23	08/30/23		
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23		
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23		
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	08/28/23	08/30/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2335026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	08/28/23	08/30/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2335066	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23		
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23		
Surrogate: n-Nonane		96.6 %	50-200	08/30/23	09/01/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2335037	
Chloride	37.7	20.0	1	08/29/23	08/31/23		



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
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Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH03 0.5'

		E308205-05					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2335026	
Benzene	ND	0.0250	1	08/28/23	08/30/23		
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23		
Toluene	ND	0.0250	1	08/28/23	08/30/23		
o-Xylene	ND	0.0250	1	08/28/23	08/30/23		
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23		
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23		
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	08/28/23	08/30/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2335026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.3 %	70-130	08/28/23	08/30/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2335066	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23		
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23		
Surrogate: n-Nonane		94.9 %	50-200	08/30/23	09/01/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2335037	
Chloride	ND	20.0	1	08/29/23	08/31/23		



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH03 1'

#### E308205-06

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		95.0 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
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#### PH04 0.5' E308205-07

		E308205-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		97.2 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
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#### PH04 1'

#### E308205-08

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		93.5 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2335037
·	ND	20.0	- 1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
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Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH05 0.5'

E308205-09							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026	
Benzene	ND	0.0250	1	08/28/23	08/30/23		
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23		
Toluene	ND	0.0250	1	08/28/23	08/30/23		
o-Xylene	ND	0.0250	1	08/28/23	08/30/23		
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23		
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23		
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	08/28/23	08/30/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2335026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.3 %	70-130	08/28/23	08/30/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2335066	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23		
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23		
Surrogate: n-Nonane		95.8 %	50-200	08/30/23	09/01/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2335037	
Chloride	ND	20.0	1	08/29/23	08/31/23		



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#### PH05 1'

#### E308205-10

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		93.0 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH06 0.5'

		E308205-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		92.3 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
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#### PH06 1'

#### E308205-12

		D				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		nalyst: IY	7 mary zed	Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	Buten: 2555 020
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	09/01/23	
Surrogate: n-Nonane		92.7 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH07 0.5'

		E308205-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	111	50.0	2	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	180	100	2	08/30/23	09/01/23	
Surrogate: n-Nonane		110 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2335037
Chloride	139	20.0	1	08/29/23	08/31/23	



Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

#### PH07 1'

#### E308205-14

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	124	50.0	2	08/30/23	09/01/23	
Oil Range Organics (C28-C36)	211	100	2	08/30/23	09/01/23	
Surrogate: n-Nonane		104 %	50-200	08/30/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335037
Chloride	47.0	20.0	1	08/29/23	08/31/23	



## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera

Valetile Organize by EPA 9021P

Odessa TX, 79765		Project Manager	: Er	rick Herrera				9/	1/2023 1:56:19PM
		Volatile O	rganics b	y EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			
LCS (2335026-BS1)							Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Benzene	4.28	0.0250	5.00		85.7	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
Matrix Spike (2335026-MS1)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2335026-MSD1)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Benzene	4.49	0.0250	5.00	ND	89.7	54-133	5.90	20	
Ethylbenzene	4.70	0.0250	5.00	ND	93.9	61-133	5.81	20	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	5.90	20	
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	5.86	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.88	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	5.88	20	

92.1

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.37

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

State WE H Battery Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX 70765 Frick Herrera

Odessa TX, 79765		Project Manager	r: En	ick Herrera					9/1/2023 1:56:19PM
Nonhalogenated Organics by EPA 8015D - GRO Analyst: IY									
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 An	alyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			
LCS (2335026-BS2)							Prepared: 0	8/28/23 An	alyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			
Matrix Spike (2335026-MS2)				Source:	E308205-	02	Prepared: 0	8/28/23 An	alyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			
Matrix Spike Dup (2335026-MSD2)				Source:	E308205-	02	Prepared: 0	8/28/23 An	alyzed: 08/30/23
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130	4.08	20	

8.00

6.75

84.4

70-130



## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
9/1/2023 1:56:19PM

, /, / / / *		,							
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: R									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335066-BLK1)							Prepared: 0	8/30/23 Ana	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
LCS (2335066-BS1)							Prepared: 0	8/30/23 Ana	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike (2335066-MS1)				Source:	E308201-	01	Prepared: 0	8/30/23 Ana	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	215	25.0	250	ND	86.0	38-132			
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2335066-MSD1)				Source:	E308201-	01	Prepared: 0	8/30/23 Ana	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	12.0	20	
Surrogate: n-Nonane	44.5		50.0		88.9	50-200			



Chloride

M2

## **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Number:	State WE H Battery 23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:56:19PM

Anions by EPA 300.0/9056A							Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335037-BLK1)							Prepared: 0	8/29/23 Ana	lyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335037-BS1)							Prepared: 0	8/29/23 Ana	lyzed: 08/30/23
Chloride	237	20.0	250		94.9	90-110			
Matrix Spike (2335037-MS1)				Source:	E308201-	01	Prepared: 0	8/29/23 Ana	lyzed: 08/31/23
Chloride	616	20.0	250	585	12.3	80-120			M2
Matrix Spike Dup (2335037-MSD1)				Source:	<b>Source: E308201-01</b> Prepared: 08				lyzed: 08/31/23

250

20.0

585

60.3

80-120

17.8

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



#### **Definitions and Notes**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:56

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



------

**Project Information** 

Client: Forty Acres Energy, LLC.

Project Manager: Erick Herrera

Address: 13000 W County Rd 100

City, State, Zip\_Odessa,TX, 79765

Email: erick@etechenv.com, Joseph@etechenv.com

Matrix

S

S

s

S

S

5

S

5

date or time of collection is considered fraud and may be grounds for legal action.

Semple Metrix: S - Soft, Sd - Sofid, Sg - Sludge, A - Aqueous, O - Other

1

1

1

1

1

1

1

1

1

1

08/25/23

08-25-23

Project: State WE H Battery

Phone: (281)777-4152

Time

Sampled

10:00

10:10

10:20

10:30

10:40

10:50

11:00

11:10

11:20

11:30

Collected by: Edyte Konan

**Date Sampled** 

8/25/2023

8/25/2023

8/25/2023

8/25/2023

8/25/2023

8/25/2023

8/25/2023

8/25/2023

8/25/2023

8/25/2023

Additional Instructions:

Relinquished by (Signature)

Relinquished by, (Signature)

Relinquished by: (Signature)

Michelle Gonzales

Received by OCD: 10/11/2023 11:32:30 AM

Page 1 of 2

SDWA

RCRA

TX

EPA Program

CWA

State

UT AZ

Remarks

Samples requiring thermal preservation must be received on ice the day they are sampled or eceived packed in see at an avg temp above 0 but less than 6  $^{\circ}$ C on subsequent days.

Ilme Lab Use Only 08-25-23 1500 Received on ice:

\*\*\*!!!!!!!!!!

Lab Use Only

Lab WO#

E 308205

TPH GRO/DRO/DRO by 8015

Depth(ft.)

0.5

1,5

0.5

1.5

0.51

1'

0.51

1'

0.5

ľ

tab Number

3

l o

9

10

8TEX by 8021 VOC by 8260 Metals 6010

Job Number

300.0

Chloride

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Analysis and Method

TAT

Standard

5 day TAT

NM CO

30

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10 20

Σ

BGD0C

X

X

X

X

X

AVG Temp °C 7 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note. Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Chain of Custody

Bill To

Attention:eTech Environmental & Safety Solution, Inc.

Address: 13000 W County Rd 100

City, State, Zip\_Odessa,TX, 79765

Incident ID: naPP2321636998

Phone: (432)563-2200

**PH01** 

**PH01** 

**PH02** 

PH02

**PH03** 

**PH03** 

**PH04** 

**PH04** 

**PHOS** 

**PHO5** 

Sampled by:

Michelle Gonzales

Received by: (Signature)

Received by: (Signature)

), (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location,

15:00

1700

Time

Email:

Sample ID

WO: N/A



## @ envirotech

Client: Forty Acres Energy, LLC.

Project: State WE H Battery

Bill To

Lab Use Only

Job Number

TAT

1D 2D 3D Standard

Project A	Assessed WE H Ba	ttery			Att	ention:aTech Environmental & Safety So	lution, Inc.	Lab	WO#	1_			Numi		10	2D	30		andard	CWA	SUWA
Address	Aanager: Erick	Herrera			Ad	dress: 13000 W County Rd 100		E3	308	<u> 20</u>	<u>5</u>	<u> </u>	<u>707</u>	<u>0001</u>			Ľ	5	day TAT		
City State	13000 W Cou	inty Rd 1	00		Cit	y, State, Zip_Odessa,TX, 79765						Analy	sis an	d Metho	bd					L	RCRA
Dha	e, Zip_Odessa	a,TX, 797	65		Phi	one: (432)563-2200			ž					[	7		T	Ι		<u> </u>	<u> </u>
rnone; (	281)777-4152	<u> </u>		_	Em	ail:		)	lg			l '		- 1				1		State	
cmail: er	ick@etechem	v.com, jo	seph@et	echenv.co	m wo	D: N/A		1	ğ	,,	_	١.,	0	- 1	Σ		٦		NM CO	UT AZ	TX
	by: Edyte Ko	กลก			lnc	ident ID: naPP2321636998	<del></del>	3	Ş	6021	8260	👸 :	90		1		¥	i			
Time Sampled	Date Sampled	Matrix	No of Containing	Sample ID			Lab Number	Depth/ft.)	ТРН GRD/ORO/ORO БУ ВО15	etex by	VOC by	Metals 6010	Chloride		BGDOC		2005			Remarks	
11:40	8/25/2023	5	1			PH06	11	0.5							X	1					
11:50	8/25/2023	S	1			PH06	12	1'							×						
12:00	8/25/2023	S	1			PH07	13	0.5'		-	Ü				×						
12:10	8/25/2023	s	1		<u> </u>	PH07	14	1'							×						
							•								1_						
								-								T					
					22									$\top$	1						
					1									$\top$	t	+					
				<del>                                     </del>					-					_	十	+	$\vdash$				
		-						-						$\dashv$		$\dagger$	<u> </u>	-			
Addition	al instruction	15:						<b>L</b>									1	L	1		
	pler), attest to the of collection is co					nt tampering with or intentionally mislabelling Sampled by:	the sample locatio	n,											d on soy the dar	y Uncy aire sam; sequent days.	pled or
	ed by: (Signature		Date		Time 15:00	Received by: (Signature) Michelle Gonzales	Date 08-25-2	3	Time	500		Rece	ived	an Ice:		Lab U		nly	<del></del>		
Relinquishe MIC	ed by (Signature helle Gon	zales	Dete 08	-25-23	1700	Received by: (signature)	8/28/2		9			Ti		JII 10C.	T2	י יע	•		Т3		
	ed by: (Signature		Date		Time	Received by: (Signature)	Date		Time			AVG	Tem	p °C	7				<del></del>		
Sample Mat	ruc 5 - Soil, Sd - So	lid, Sg · Slud	ge, A - Aque	ous, O · Other			Container Typ	e: g -	glass.	p - 0					ilass.	v - VC	)A				
						arrangements are made. Hazardous san												for th	ne analysis r	f the above	samples id
						he liability of the laboratory is limited to															



envirotech Inc.

Printed: 8/28/2023 12:40:25PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308205
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:11	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
	f Custody (COC)					
	he sample ID match the COC?	tab the COC	Yes			
	he number of samples per sampling site location ma	ich the COC	Yes			
	samples dropped off by client or carrier?	stad amalyzasa?	Yes Yes	Carrier: Courie	<u>er</u>	
	ne COC complete, i.e., signatures, dates/times, reques	sted allaryses?	Yes			
J. Wele a	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	ies		<u>Comment</u>	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	s, were custody/security seals intact?		No NA			
	he sample received on ice? If yes, the recorded temp is 4°C,	:- 691296	NA			
	Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4	<u> </u>			
_	Container equeous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		icis concetcu.	103			
	field sample labels filled out with the minimum info	rmation:				
	Sample ID?	л танон.	Yes			
	Date/Time Collected?		Yes			
(	Collectors name?		No			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No			
<u>Multiph</u>	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	camples required to get sent to a subcontract laborato	rv?	No			
	a subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: NA		
	nstruction					
CHERT	<u>nstruction</u>					

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308207

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/10/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308207

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

whinchman@envirotech-inc.com

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## **Sample Summary**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Donoutodi
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 13:01

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH08 0.5'	E308207-01A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH08 1'	E308207-02A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.



ſ	Forty Acres Energy, LLC	Project Name:	State WE H Battery	
	13000 W County RD 100	Project Number:	23007-0001	Reported:
	Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 1:01:41PM

#### PH08 0.5' E308207-01

		E300207-01				
lyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	An	nalyst: IY		Batch: 2335026
ene	ND	0.0250	1	08/28/23	08/30/23	
benzene	ND	0.0250	1	08/28/23	08/30/23	
ne	ND	0.0250	1	08/28/23	08/30/23	
ene	ND	0.0250	1	08/28/23	08/30/23	
Kylene	ND	0.0500	1	08/28/23	08/30/23	
Xylenes	ND	0.0250	1	08/28/23	08/30/23	
gate: 4-Bromochlorobenzene-PID		91.6 %	70-130	08/28/23	08/30/23	
nalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: IY		Batch: 2335026
ine Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
gate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	08/28/23	08/30/23	
nalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: KM		Batch: 2335066
l Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
ange Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
gate: n-Nonane		97.5 %	50-200	08/30/23	08/31/23	
ns by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: BA		Batch: 2335037
ide	222	20.0	1	08/29/23	08/31/23	
ns by EPA 300.0/9056A		mg/kg		nalyst: BA		Ва



Chloride

## **Sample Data**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 1:01:41PM

### PH08 1'

		E308207-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		94.7 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2335037

20.0

41.6

08/29/23

08/31/23



## **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Number:	State WE H Battery 23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 1:01:41PM

Odessa TX, 79765		Project Number: Project Manager:		3007-0001 Frick Herrera				10/	10/2023 1:01:41PM
		Volatile O	rganics	by EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335026-BLK1)							Prepared: 08	8/28/23 Anal	yzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			
LCS (2335026-BS1)							Prepared: 08	8/28/23 Anal	yzed: 08/30/23
Benzene	4.28	0.0250	5.00		85.7	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
Matrix Spike (2335026-MS1)				Source: 1	E308205-0	02	Prepared: 08	8/28/23 Anal	yzed: 08/30/23
Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2335026-MSD1)				Source: 1	E308205-	02	Prepared: 08	8/28/23 Anal	yzed: 08/30/23
Benzene	4.49	0.0250	5.00	ND	89.7	54-133	5.90	20	
Ethylbenzene	4.70	0.0250	5.00	ND	93.9	61-133	5.81	20	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	5.90	20	
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	5.86	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.88	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	5.88	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			

### **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
10/10/2023 1:01:41PM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				10/	10/2023 1:01:41PM			
Nonhalogenated Organics by EPA 8015D - GRO  Analyst: IY												
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes			
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Anal	yzed: 08/30/23			
Gasoline Range Organics (C6-C10)	ND	20.0										
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130						
LCS (2335026-BS2)							Prepared: 0	8/28/23 Anal	yzed: 08/30/23			
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130						
Matrix Spike (2335026-MS2)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	yzed: 08/30/23			
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130						

Matrix Spike Dup (2335026-MSD2)		Source:	E308205-0	02	Prepared: 08/28/23 Analyzed: 08/30/23			
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130	4.08	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.4	70-130		

## **QC Summary Data**

State WE H Battery Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 10/10/2023 1:01:41PM Odessa TX, 79765 Project Manager: Erick Herrera

, ,,,,,,,											
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KM											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2335066-BLK1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	45.9		50.0		91.8	50-200					
LCS (2335066-BS1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23		
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132					
Surrogate: n-Nonane	44.7		50.0		89.4	50-200					
Matrix Spike (2335066-MS1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23		
Diesel Range Organics (C10-C28)	215	25.0	250	ND	86.0	38-132					
Surrogate: n-Nonane	41.7		50.0		83.3	50-200					
Matrix Spike Dup (2335066-MSD1)				Source:	E308201-	01	Prepared: 0	8/30/23 An	alyzed: 08/31/23		
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	12.0	20			
Surrogate: n-Nonane	44.5		50.0		88.9	50-200					

LCS (2335037-BS1)

Matrix Spike (2335037-MS1)

Chloride

Chloride

Prepared: 08/29/23 Analyzed: 08/30/23

Prepared: 08/29/23 Analyzed: 08/31/23

M2

90-110

80-120

94.9

12.3

Source: E308201-01

585

### **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	3000 W County RD 100 Project Number: 23007-0001							Reported: 10/10/2023 1:01:41PM	
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335037-BLK1)						I	Prepared: 0	8/29/23	Analyzed: 08/30/23
Chloride	ND	20.0							

Matrix Spike Dup (2335037-MSD1)				Source:	E308201-	01	Prepared: 08	8/29/23 Anal	yzed: 08/31/23
Chloride	736	20.0	250	585	60.3	80-120	17.8	20	M2

250

250

20.0

20.0

237

616

### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 13:01

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



**Project Information** 

Client: Fo	orty Acres Ene	rgy, LLC.			1	Bill To		T		L	ab U	se Or	nly		_	T		T/	EPA	Program		
Project: S	State WE H Ba	attery		-	At	tention:eTech Environmental & Safety So	olution Inc.	Lab	WOR			dot	Num			10	2D	3D	St	andard	CWA	SDWA
Project N	Aanager: Erick	k Herrera				dress: 13000 W County Rd 100	All Control of the Control	۱Ē:	<u> 307</u>	120	77			COF	$\alpha$		$\vdash$		5	TAT yeb	1	
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City, Stat	e, Zip_Odessa	a,TX, 797/	<b>6</b> 5			none: (432)563-2200		†	1	T	$\sqcap$	$\Box$			$\overline{}$	П	$\Box$		$\bigcap$	1		
Phone: (2	281)777-4152				Em	nail:		1	8		1		Ì		<i>l</i> '		1				State	
Email: er	ick@etechenv	v.com, jor	seph@et	echeny.com		O: N/A		1	ŏ	1 =		1	١۽		( '	2				NM CO	UT A2	Z TX
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Time Sampled	Date Sampled	Matrix	No of Contactors	Sample ID		Lab Number			трн Gro/dro/ord <del>Dy</del> 8015	BTEX by 6021	VOC by 8260	Metals	Chloride			86000		2000			Remark	5
12:20	8/25/2023	s	1	<u> </u>		PH08	1	0.5	1	<u> </u>			Ī	П		x						
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Addition	nal Instruction	ns:	<del>I,</del>							ш		<u>I</u>								·		****
	spier), attest to the					nat tampering with or intentionally mislabelling Sampled by:	the sample locatio	in,				4								on ice the day in 6 °C on subs	-	pled or
Relinquished by: (Siggature)  Date  Time Received by: (Signature)  D812 512 3 15:00 Michael a Gouzala							Date 08-25-23		Time	500		Rec	elver	on ice	 re:		b Usi	e Onl	γ			
				te T	Time 1700	Received by: 18 to the Man	8/28/2			5		T1	W	<b>O</b> 11 (2.	٠.	( <u>)</u>	·, ·-			T3		
	red by: (Signature		Date		Rme	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Skidge, A - Aqueous, O - Other						AVG Temp °C																
							Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  us samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is															



Printed: 8/28/2023 12:56:22PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55		Work Order ID:	E308207
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:14		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		17:00 (4 day TAT)		<b>8</b> 8 <b>,</b> -	
Chain of	Custody (COC)						
1. Does tl	ne sample ID match the COC?		Yes				
2. Does tl	ne number of samples per sampling site location mate	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comments	s/Resolution
Sample 7	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	Cooler						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C,	i.e., 6°±2°C	Yes				
12, 1,45	Note: Thermal preservation is not required, if samples are minutes of sampling		103				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
Sample (	Container_						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal	pel						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
	Preservation_						
	the COC or field labels indicate the samples were pro-	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multiphas		No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborator	ry?	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client I	nstruction						
<u>CHCHT II</u>	19ti uction						

Date

Signature of client authorizing changes to the COC or sample disposition.

Project Information



@ envirotech

Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308206

Job Number: 23007-0001

Received: 8/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308206

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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## **Sample Summary**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Donoutodi
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:53

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH09 0.5'	E308206-01A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH09 1'	E308206-02A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.



## Sample Data

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:53:44PM

### PH09 0.5' E308206-01

		E300200-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	yst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		95.7 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335037
Chloride	ND	20.0	1	08/29/23	08/31/23	



## **Sample Data**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:53:44PM

### PH09 1'

### E308206-02

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Ana	ılyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2335066
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		96.0 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335037
<del></del>	ND	20.0		08/29/23	08/31/23	· · · · · · · · · · · · · · · · · · ·



## **QC Summary Data**

		J	
Forty Acres Energy, LLC	Project Name:	State WE H Battery	Reported:
13000 W County RD 100	Project Number:	23007-0001	•
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:53:44PM
	Volatile Orga	nics by EPA 8021B	Analyst: IY
		" C B	DDD

Odessa TX, 79765		Project Manager	r: Er	ick Herrera					9/1/2023 1:53:44PM
		Volatile Organics by EPA 8021B					Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Ar	nalyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			
LCS (2335026-BS1)							Prepared: 0	8/28/23 Ar	nalyzed: 08/30/23
Benzene	4.28	0.0250	5.00		85.7	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
Matrix Spike (2335026-MS1)				Source:	E308205-	02	Prepared: 0	8/28/23 Ar	nalyzed: 08/30/23
Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2335026-MSD1)				Source:	E308205-	02	Prepared: 0	8/28/23 Ar	nalyzed: 08/30/23
Benzene	4.49	0.0250	5.00	ND	89.7	54-133	5.90	20	
Ethylbenzene	4.70	0.0250	5.00	ND	93.9	61-133	5.81	20	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	5.90	20	
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	5.86	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.88	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	5.88	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Forty Acres Energy, LLC Project Name: State WE H Battery Reported:

13000 W County RD 100 Project Number: 23007-0001

Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 1:53:44PM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9	9/1/2023 1:53:44PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2335026-BLK1)							Prepared: 0	8/28/23 An	alyzed: 08/30/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130					
LCS (2335026-BS2)							Prepared: 0	8/28/23 An	alyzed: 08/30/23		
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130					
Matrix Spike (2335026-MS2)				Source:	E308205-	02	Prepared: 0	8/28/23 An	alyzed: 08/30/23		
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130					
Matrix Spike Dup (2335026-MSD2)				Source:	E308205-	02	Prepared: 0	8/28/23 An	alyzed: 08/30/23		

50.0

8.00

ND

82.0

84.4

70-130

70-130

4.08

20

41.0

6.75

20.0

## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
9/1/2023 1:53:44PM

Guessa 111, 19105		Troject Manage	. 121	ick ficificia							
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: KM		
Analyte	Result	Reporting Spike Source Rec Result Limit Level Result Rec Limits R	RPD	RPD Limit							
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2335066-BLK1)							Prepared: 0	8/30/23 Ana	lyzed: 08/31/23		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	45.9		50.0		91.8	50-200					
LCS (2335066-BS1)							Prepared: 0	8/30/23 Ana	lyzed: 08/31/23		
Diesel Range Organics (C10-C28)	234	25.0	250		93.5	38-132					
Surrogate: n-Nonane	44.7		50.0		89.4	50-200					
Matrix Spike (2335066-MS1)				Source:	E308201-	01	Prepared: 0	8/30/23 Ana	lyzed: 08/31/23		
Diesel Range Organics (C10-C28)	215	25.0	250	ND	86.0	38-132					
Surrogate: n-Nonane	41.7		50.0		83.3	50-200					
Matrix Spike Dup (2335066-MSD1)				Source:	E308201-	01	Prepared: 0	8/30/23 Ana	lyzed: 08/31/23		
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	12.0	20			
Surrogate: n-Nonane	44.5		50.0		88.9	50-200					



Matrix Spike (2335037-MS1)

Matrix Spike Dup (2335037-MSD1)

Chloride

Chloride

616

736

Prepared: 08/29/23 Analyzed: 08/31/23

Prepared: 08/29/23 Analyzed: 08/31/23

20

M2

M2

### **QC Summary Data**

Forty Acres Energy, LLC		Project Name:	S	tate WE H Bat	ttery				Reported:
13000 W County RD 100 Odessa TX, 79765		Project Number: Project Manager		3007-0001 rick Herrera					9/1/2023 1:53:44PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2335037-BLK1)							Prepared: 0	8/29/23 A	analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335037-BS1)							Prepared: 0	8/29/23 A	analyzed: 08/30/23
Chloride	237	20.0	250		94.9	90-110			

250

250

20.0

20.0

Source: E308201-01

Source: E308201-01

12.3

60.3

80-120

80-120

17.8

585

585

### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

	Forty Acres Energy, LLC	Project Name:	State WE H Battery	
ı	13000 W County RD 100	Project Number:	23007-0001	Reported:
ı	Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:53

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Received by OCD: 10/11/2023 11:32:30 AM

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12:40	8/25/2023	s	1			PH09	1	0.5								X					<u></u>	
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applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the emount paid for on the report.



Printed: 8/28/2023 12:51:27PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

	•				•		
Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09	9:55		Work Order ID:	E308206
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10	0:13		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17	7:00 (4 day TAT)		,	
Chain of	Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	Carrier. C	<u>ourici</u>		
	Il samples received within holding time?	orea anary ses.	Yes				
	Note: Analysis, such as pH which should be conducted it					Commont	s/Resolution
	i.e, 15 minute hold time, are not included in this disucss	ion.		Г		Comment	<u>s/Resolution</u>
	urn Around Time (TAT)		••				
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			***				
	ample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample C	Container						
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum inf	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	_			
	ollectors name?		No				
	reservation the COC or field labels indicate the samples were r	racarrado	No				
	the COC or field labels indicate the samples were particles or field labels indicate the samples were particles.	reserveu?	No				
	filteration required and/or requested for dissolved i	netalc?	NA No				
	•	netais:	INU				
_	se Sample Matrix	9					
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborate	*	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA :	Subcontract Lab	: NA		
Client In	struction						

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Forty Acres Energy, LLC

Project Name: State WE H Battery

Work Order: E308208

Job Number: 23007-0001

Received: 8/28/2023

Revision: 4

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/10/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: State WE H Battery

Workorder: E308208

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: State WE H Battery.

The analytical test results summarized in this report with the Project Name: State WE H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

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Envirotech Web Address: www.envirotech-inc.com



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## **Sample Summary**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Donoutodi
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 12:57

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH10 0.5'	E308208-01A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.
PH10 1.5'	E308208-02A Soil	08/25/23	08/28/23	Glass Jar, 2 oz.



## Sample Data

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 12:57:46PM

### PH10 0.5' E308208-01

		E300200-01				
	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
rganics by EPA 8021B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2335026
	ND	0.0250	1	08/28/23	08/30/23	
e	ND	0.0250	1	08/28/23	08/30/23	
	ND	0.0250	1	08/28/23	08/30/23	
	ND	0.0250	1	08/28/23	08/30/23	
	0.0594	0.0500	1	08/28/23	08/30/23	
es	0.0594	0.0250	1	08/28/23	08/30/23	
Bromochlorobenzene-PID		91.3 %	70-130	08/28/23	08/30/23	
enated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2335026
nge Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Chloro-4-fluorobenzene-FID		84.0 %	70-130	08/28/23	08/30/23	
enated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2335061
e Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Nonane		93.9 %	50-200	08/30/23	08/30/23	
EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2335039
	412	20.0	1	08/29/23	08/31/23	
			A 1		08/31/23	Bate



## **Sample Data**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 12:57:46PM

### PH10 1.5'

		E308208-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Ana	alyst: IY		Batch: 2335026
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335026
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		89.3 %	50-200	08/30/23	08/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2335039
Chloride	210	20.0	1	08/29/23	08/31/23	



## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
10/10/2023 12:57:46PM

13000 W Coulty KD 100		rioject Number.		0007-0001					
Odessa TX, 79765		Project Manager:	: Er	rick Herrera				1	0/10/2023 12:57:46PI
		Volatile O	rganics b	y EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			
LCS (2335026-BS1)							Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	4.28	0.0250	5.00		85.7	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
o,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
Matrix Spike (2335026-MS1)				Source:	E308205-0	02	Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2335026-MSD1)				Source:	E308205-0	02	Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	4.49	0.0250	5.00	ND	89.7	54-133	5.90	20	
Ethylbenzene	4.70	0.0250	5.00	ND	93.9	61-133	5.81	20	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	5.90	20	
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	5.86	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.88	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	5.88	20	
			0.00		00.1	50 10°			

92.1

70-130

Surrogate: 4-Bromochlorobenzene-PID

7.37

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
Reported:
23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
Project Manager: 10/10/2023 12:57:46PM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				10/	10/2023 12:57:46PI
	Nor	nhalogenated		Analyst: IY					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2335026-BLK1)							Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			
LCS (2335026-BS2)							Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.5	20.0	50.0		74.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			
Matrix Spike (2335026-MS2)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			
Matrix Spike Dup (2335026-MSD2)				Source:	E308205-	02	Prepared: 0	8/28/23 Anal	lyzed: 08/30/23
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130	4.08	20	

8.00

6.75

70-130

84.4



## **QC Summary Data**

Forty Acres Energy, LLC
Project Name: State WE H Battery
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
10/10/2023 12:57:46PM

Guessa 111, 19105		Troject Manage	. 21	ick ficificia					
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335061-BLK1)							Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			
LCS (2335061-BS1)							Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			
Matrix Spike (2335061-MS1)				Source:	E308208-	01	Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			
Matrix Spike Dup (2335061-MSD1)				Source:	E308208-	01	Prepared: 0	8/30/23 Ana	lyzed: 08/30/23
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132	0.163	20	
Surrogate: n-Nonane	50.0		50.0		100	50-200			

## **QC Summary Data**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	Reported:
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/2023 12:57:46PM

	Anions by EPA 300.0/9056A Analy									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2335039-BLK1)							Prepared: 0	8/29/23 Anal	yzed: 08/31/23	
Chloride	ND	20.0								
LCS (2335039-BS1)							Prepared: 0	8/29/23 Anal	yzed: 08/31/23	
Chloride	240	20.0	250		96.2	90-110				
Matrix Spike (2335039-MS1)				Source:	E308208-	01	Prepared: 0	8/29/23 Anal	yzed: 08/31/23	
Chloride	699	20.0	250	412	114	80-120				
Matrix Spike Dup (2335039-MSD1)				Source:	E308208-	01	Prepared: 0	8/29/23 Anal	yzed: 08/31/23	
Chloride	662	20.0	250	412	100	80-120	5.33	20		

### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### **Definitions and Notes**

Forty Acres Energy, LLC	Project Name:	State WE H Battery	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	10/10/23 12:57

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Client: Forty Acres Energy, LLC.

Project Manager: Erick Herrera

Address: 13000 W County Rd 100

City, State, Zip\_Odessa,TX, 79765

Email: erick@etechenv.com, joseph@etechenv.com

Matrix

S

Contempo

1

1

Sample ID

Project: State WE H Battery

Phone: (281)777-4152

Sampled

13:00

13:10

Collected by: Edyte Konan

Dete Sampled

8/25/2023

8/25/2023

**EPA Program** 

CWA

State

Remarks

NM CO UT AZ TX

Lab Number

Bill To

Attention:eTech Environmental & Safety Solution, Inc.
Address: 13000 W County Rd 100

City, State, Zip\_Odessa,TX, 79765

Incident ID: naPP2321636998

Phone: (432)563-2200

**PH10** 

**PH10** 

Email:

WO: N/A

				1			l i	] [	
Additional Instructions:	·	· · · ·			•		<u> </u>		
(field sampler), attest to the validity and a ate or time of collection is considered frau			hat camparing with or intentionally mislabelling Sampled by:	the sample location,			•		econved on see the day they are sampled or less than $6^4\mathrm{C}$ on subsequent days.
elinquished by: (Signature)	Date 08/25/23	15:00	Received by: (Signature) Michelle Gonzales	Date 08-25-23	1500	Received on ice:	Lab U	Jse Oni N	ty
elinguished by: (Signature) Michelle Gonzales	08-25-23	1700	Respired by Symatura Man	8/28/23	9.55	та	<u>T2</u>		Т3
elinquished by: (Signature)	Date	Time	Received by (Signature)	Date	Time	AVG Temp °C	4		
emple Matrix: S - Soil, Sd - Solid, Sg - Skidge	e, A - Aqueous, O - Othe	w		Container Type: g	eglass, p - poly	/plastic, ag - amber	glass, v - V	OA .	
			arrangements are made Hazardous sai The liability of the laboratory is limited to			osed of at the client ex	pense. The	report	for the analysis of the above sampl



Lab Use Only

Lab WO# Job Number 23007000\

ТРН GRO/DRO/OAO by 8015

0.5

1'

BTEX by 8021 VOC by 8260 Metals 6010

Analysis and Method

Chioride 300 0

ž

BGDOC

Х

Х

# @ envirotech

TAT

S day TAT

1D 2D 3D Standard

≃

Printed: 8/28/2023 1:03:53PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55		Work Order ID:	E308208
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:15		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		17:00 (4 day TAT)		86	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes		<del></del>		
5. Were a	Il samples received within holding time?	·	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.					Comment	s/Resolution
Sample T	urn Around Time (TAT)	<b>.</b>					
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	· •						
_	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
			No				
•	were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	visible ice, record the temperature.  Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
S	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
	reservation Co. C. M.	10					
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
-	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborato	ry?	No				
	subcontract laboratory specified by the client and is	-	NA	Subcontract Lab	o: NA		
Client Ir	estruction						
CHEILI	isti uction						

Page 13 of 14

Date

**Project Information** 

	orty Acres En					Bill To				L	ab U	se Or	nly			10		TAT	Г		EPA P	rogram	
	State WE H B		LTE BAYO	The same of the sa	At	tention:eTech Environmental & Safety S	ety Solution, Inc. Lab WO# E308ZO\$				Job Number			10	1D 2D		D	Stan		CWA	SDWA		
	Manager: Eric				Ac	dress: 13000 W County Rd 100		E	308	(7)	78			<u>1000</u>	1				5 day	TAT		RCRA	
	13000 W Co					ty, State, Zip_Odessa,TX, 79765						Anal	ysis a	nd Meth	od								
	te, Zip_Odess		65			none: (432)563-2200			à					No.									
	281)777-4152					nall;			ğ							1.					State		
	ick@etechen		sepnwer	ecnenv.co		O: N/A			8	12	8	9	300		2		1	4	N	м со	UT AZ	TX	
	I by. Edyle Kt	111811			lin	cident ID: naPP2321636998	T	3	5	18	482	8	1 2		100				_				
Time Sampled	Date Sampled	Matrix	fordinary	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		BGDOC		1 8	3		**	Remarks		
13:00	8/25/2023	S	1			PH10	1	0.5							×					nrre	ctec	1	
13:10	8/25/2023	S	1			PH10 1.51	2	x							×				5	Sam	ple 1	rane	
								T.							+	+			0	n S	amo	6#2	
									-	F	T	T							(	Dor	Cle	nt.	
	VIII.	1000				A	-												1	10/10	123	CM	
						Just 1			8													V	
					/																		
																		1					
Addition	al Instruction	is:																					
	pler), attest to the of collection is co					at tampering with or intentionally mislabelling Sampled by:	g the sample location	xn,			YEL SAID									ce the day 6°C on subs			
Relinquish	ed by: (Signature	)	08	25/23	15:00	Received by: (Signature) Michelle Gonzales	08-25-23	3	Time	500	))	Rec	elve	d on ice		Lab V/	Use	Ont	y		YEN		
Relinguish	helle Gonz	tales	Date 08	-25-23	1700	Received by Signatural Man	8/28/2	3	11mg	5	5	TI			I				Т	3			
	ed by: (Signature		Date		Nime	Received by (Signature)	Date		Time			AV	G Ter	np °C_	4					To the			
	rtx: 5 - Soil, 5d - So						Container Typ																
					unless other	arrangements are made. Hazardous sa	mples will be retu	urned	to clie	ent or	dispo	sed o	f at th	e client e	xpens	e. Th	erep	port f	for the	analysis o	f the abo	ve samples i	



applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

# **APPENDIX G**

# **NMOCD Notifications**

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



### **Erick Herrera**

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, August 17, 2023 9:22 AM

**To:** Erick Herrera

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning 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 Environmental Bureau 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: Thursday, August 17, 2023 8:11 AM

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) 8/22 - 8/25/23

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

Good morning,

40 Acres Energy anticipates conducting confirmation soil sampling activities at the following sites from August 22<sup>nd</sup> through August 25<sup>th</sup>.

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: West Eumont Unit #417/LW2 Battery

Incident Number: nAPP2222156995

API#: 30-025-44254

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: State WE H Battery Incident Number: nAPP2321636998

API#: 30-025-03372

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: Atlantic State #003 Incident Number: nAPP2321654246

API#: 30-025-03508

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 274600

### **CONDITIONS**

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	274600
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/22/2023