Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRH2003454759
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: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Carmen E Pitt Title: Senior HSE Specialist

Signature: Carmen E Pitt Date: 4/24/2020

email: cpitt@grizzlyenergyllc.com Telephone: 432-248-8145

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary and Soil Closure Request

Grizzly Energy, LLC
Enron Federal Battery
Eddy County, New Mexico
Unit Letter O, Section 25, Township 17 South, Range 27 East
Latitude 32.80081 North, Longitude 104.22879 West
NMOCD Reference No. Pending

Prepared By:

Etech Environmental & Safety Solutions, Inc.
3100 Plains Highway
Lovington, New Mexico 88260

Lance Crenshaw

Joel W. Lowry

ETECH Environmental & Safety Solutions, Inc.

TABLE OF CONTENTS

Section

PROJECT INFORMATION…. **1.0**
SITE CHARACTERIZATION…. **2.0**
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE…. **3.0**
INITIAL SITE ASSESSMENT…. **4.0**
PROPOSED REMEDIATION PLAN…. **5.0**
REGULATORY APPROVALS & STIPULATIONS…. **6.0**
REMEDIATION ACTIVITIES SUMMARY…. **7.0**
RESTORATION, RECLAMATION AND RE-VEGETATION PLAN…. **8.0**
SOIL CLOSURE REQUEST…. **9.0**
LIMITATIONS…. **10.0**
DISTRIBUTION…. **11.0**

FIGURES

Figure 1 - Topographic Map
Figure 2 - Aerial Proximity Map
Figure 3 - Site & Sample Location Map

TABLES

Table 1 - Concentrations of BTEX, TPH and/or Chloride in Soil

APPENDICES

Appendix A - Depth to Groundwater Information
Appendix B - Field Data and Soil Profile Logs
Appendix C - Laboratory Analytical Reports
Appendix D - Photographic Log

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Grizzly Energy, LLC, has prepared this Report for the Release Site known as the Enron Federal Battery. Details of the release are summarized below:

Location of Release Source

Latitude: 32.80081 Longitude: -104.22879

Provided GPS are in WGS84 format.

Site Name: Enron Federal Battery	Site Type: Tank Battery
Date Release Discovered: 12/14/2019	API # (if applicable):

Unit Letter	Section	Township	Range	County
O	25	17S	27E	Eddy

Surface Owner: [ ] State [X] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[X] Crude Oil	Volume Released (bbls) 3.2	Volume Recovered (bbls) 0
[X] Produced Water	Volume Released (bbls) 18.2	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[ ] Yes [X] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

The pilot went out on the heater treater, and when it came back on it ignited and caused a small grass fire. The grass fire burned multiple flow lines.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	~75
Did the release impact groundwater or surface water?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	[ ] Yes [X] 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 [X] No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	[ ] Yes [X] 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 [X] No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	[ ] Yes [X] No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of a wetland?	[ ] Yes [X] No
Are the lateral extents of the release overlying a subsurface mine?	[ ] Yes [X] No
Are the lateral extents of the release overlying an unstable area such as karst geology?	[X] Yes [ ] No
Are the lateral extents of the release within a 100-year floodplain?	[ ] Yes [X] No
Did the release impact areas not on an exploration, development, production or storage site?	[X] Yes [ ] No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1 & 2.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria for the Site is as follows:

Closure Criteria for Soil Impacted by a Release			
Probable Depth to Groundwater	**Constituent**	**Method**	**Limit**
~75	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	N/A mg/kg
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg

4.0 INITIAL SITE ASSESSMENT

On **December 20, 2019,** Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (SP1 through SP6) were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores (NH1, NH2, EH1, EH2, SH1, SH2, WH1, and WH2) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of chloride utilizing a Hach Quantab ® chloride test kit. A "Site & Sample Location Map" is provided as Figure 3. Field data and soil profile logs, if applicable, are provided as Appendix B.

Based on field observations and field test data, **twenty-eight (28)** delineation soil samples, two representative samples from each sample location noted above, were submitted to the laboratory for analysis of BTEX, TPH and chloride. Laboraory analytical resutls indicated benzene, BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples SP 1 @ Surf, which exhibited a chloride concentration of 10,400 mg/kg, soil sample SP @ 2', which exhibited a chloride concentration of 624 mg/kg, soil sample SP 2 @ Surf., which exhibited a TPH concentration of 138.7 mg/kg and a chloride concentration of 4,960 mg/kg, soil sample SP 2 @ 2', which exhibited a chloride concentration of 880 mg/kg, soil sample SP 3 @ Surf., which exhibited a BTEX concentration of 60.0 mg/kg, a TPH concentration of 4,459 mg/kg and a chloride concentration of 13,600 mg/kg, soil sample SP 4 @ Surf. which exhibited a TPH concentration of 1,972 mg/kg and a chloride concentration of 11,800 mg/kg, soil sample SP 5 @ Surf. which exhibited a benzene concentration of 14.6 mg/kg, a BTEX concentration of 1,230 mg/kg, a TPH concentration of 57,990 mg/kg and a chloride concentration of 7,730 mg/kg and soil sample EH 2 @ Surf., which exhibited a chloride concentration of 1,650 mg/kg. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

On January 20, 2020, Etech revisited the release Site in an effort to further characterize impacts in the areas characterized by sample points SP 1, SP 2 and EH 2. During the site visit, four (4) delineation soil samples were collected and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond 1 Ft. bgs in the area characterized by sample points SP 3 and SP 6, 2 Ft. bgs in the area characterized by sample point SP 5 and 3 Ft. bgs in the area characterized by sample points SP1, SP 2 and SP 4 and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment, Grizzly Energy, LLC proposed the following remediation activities designed to advance the Site toward an approved closure:

•Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Closure Criteria in the areas characterized by sample points SP1, SP2, and SP4 to a depth of approximately 3 ft. bgs, sample points SP3 and SP 6 to a depth of aproximately 1 ft. bgs and sample point SP5 to a depth of approximately 2 ft. bgs.
•The floor and sidewalls of the excavated area will be advanced until laboratory analytical results indicated impacted soil affected above the NMOCD Closure Criteria has been removed.
•Excavated material will be temporarily stockpiled on-site, then transported to an NMOCD-approved disposal facility.
•Upon excavating impacted soil affected above the NMOCD Closure Criteria, collect the requisite excavation confirmation soil samples.
•Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted "like" material.
•Excavation backfill will be contoured to match the surrounding topography.
•Upon completion of remediation activities, prepare a Remediation Summary and Site Closure Request detailing remediation activities and the results of confirmation soil samples.

6.0 REGULATORY APPROVALS AND STIPULATIONS

On February 22, 2020, a Site Assessment Report and Proposed Remediation Workplan was submitted to the NMOCD proposing remediation activities designed to advance the Site toward regulatory closure. The Site Assessment Report and Proposed Remediation Workplan was subsequently approved.

Please reference the Site Assessment Report and Proposed Remediation Workplan for additional details regarding site characterization and proposed remediation activities.

7.0 REMEDIATION ACTIVITIES SUMMARY

On March 10, 2020, remediation activities commenced at the Site. In accordance with the approved workplan, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending final disposition at an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

From March 11 through 17, 2020, Etech collected 55 excavation confirmation soil samples. The collected soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH and/or chloride. Laboratory analytical results indicated BTEX, TPH and chloride concentrations below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard in each of the submitted soil samples with the exception of FS19@3', FS20@3', FS23@3', and FS26@3', which exhibited chloride concentrations of 1,030 mg/Kg, 940 mg/Kg, 782 mg/Kg, and 1,040 mg/Kg respectively.

On March 23, 2020, excavation activities resumed at the Site. Impacted soil in the areas characterized by sample points FS19@3', FS20@3', FS23@3', and FS26@3', was excavated and transported to and NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil remaining in-situ, Etech collected, four (4) additional excavation confirmation soil samples and submitted them to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard in each of the submitted soil samples.

A "Site & Sample Location Map" is provided as Figure 3. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

The final dimensions of the excavated area were 100 ft. in length, 40 to 75 ft in width and ranged from one (1) to four (4) ft. in depth. During the course or remediation activities approximately 1,340 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

8.0 RESTORATION, RECLAMATION AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

9.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with an approved Workplan. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Grizzly Energy, LLC provide copies of this Remediation Summary and Soil Closure Request to the appropriate agencies and request closure be granted to the Enron Federal Battery Site.

10.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Remediation Summary and Soil Closure Request 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.

This report has been prepared for the benefit of Grizzly Energy, LLC. Use of the information contained in this report is prohibited within the consent of Etech and/or Grizzly Energy, LLC.

11.0 DISTRIBUTION

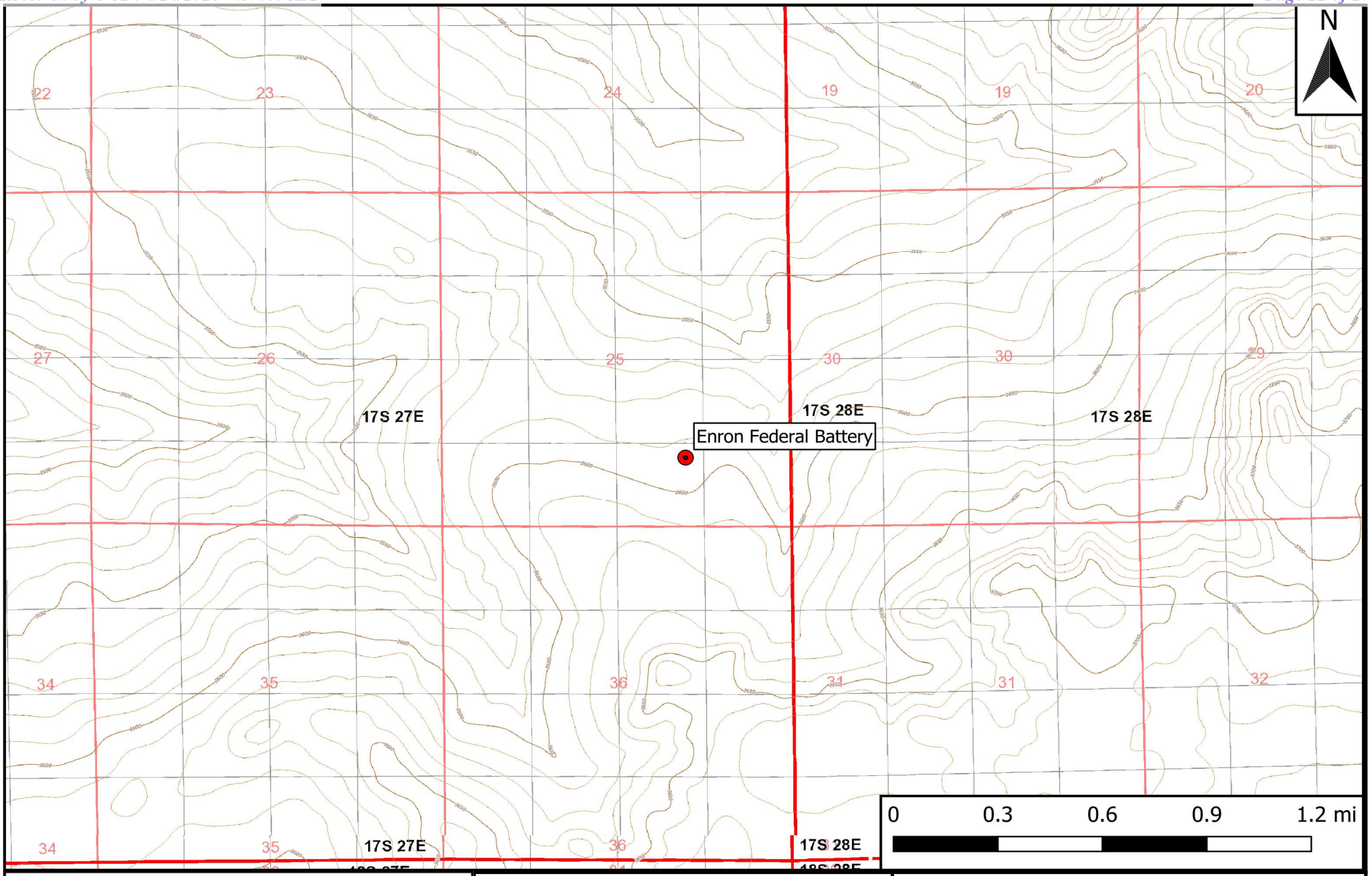
Grizzly Energy, LLC
4001 Penbrook
Suite 201
Odessa, TX 79762

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

United States Department of the Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220

(Electronic Submission)

Figure 1
Topographic Map



Legend

- Site Location

Figure 1

Topographic Map

Grizzly Energy, LLC

Enron Federal Battery

GPS: 32.80081, -104.22879

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 1/13/20

Figure 2
Aerial Proximity Map

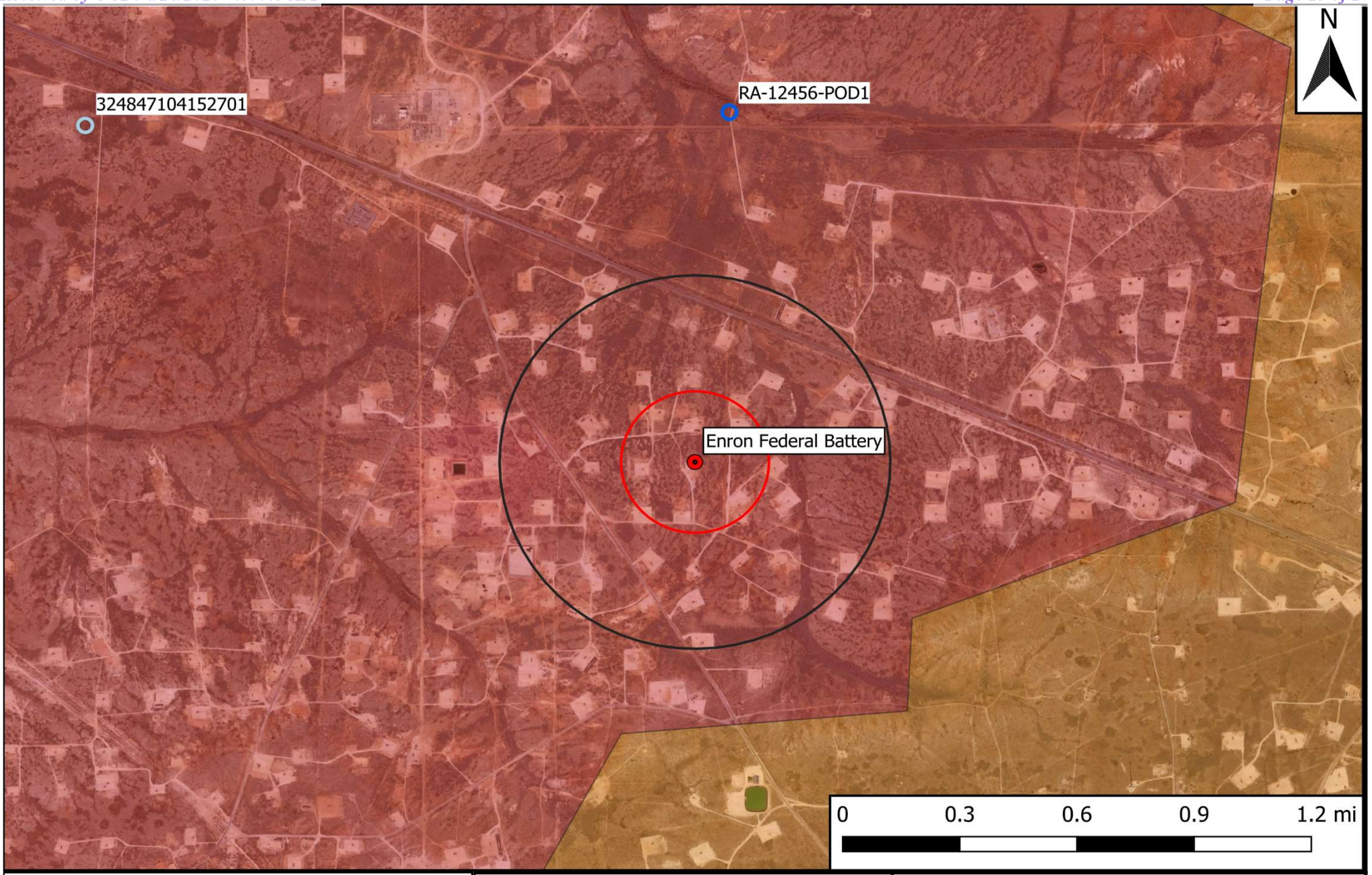
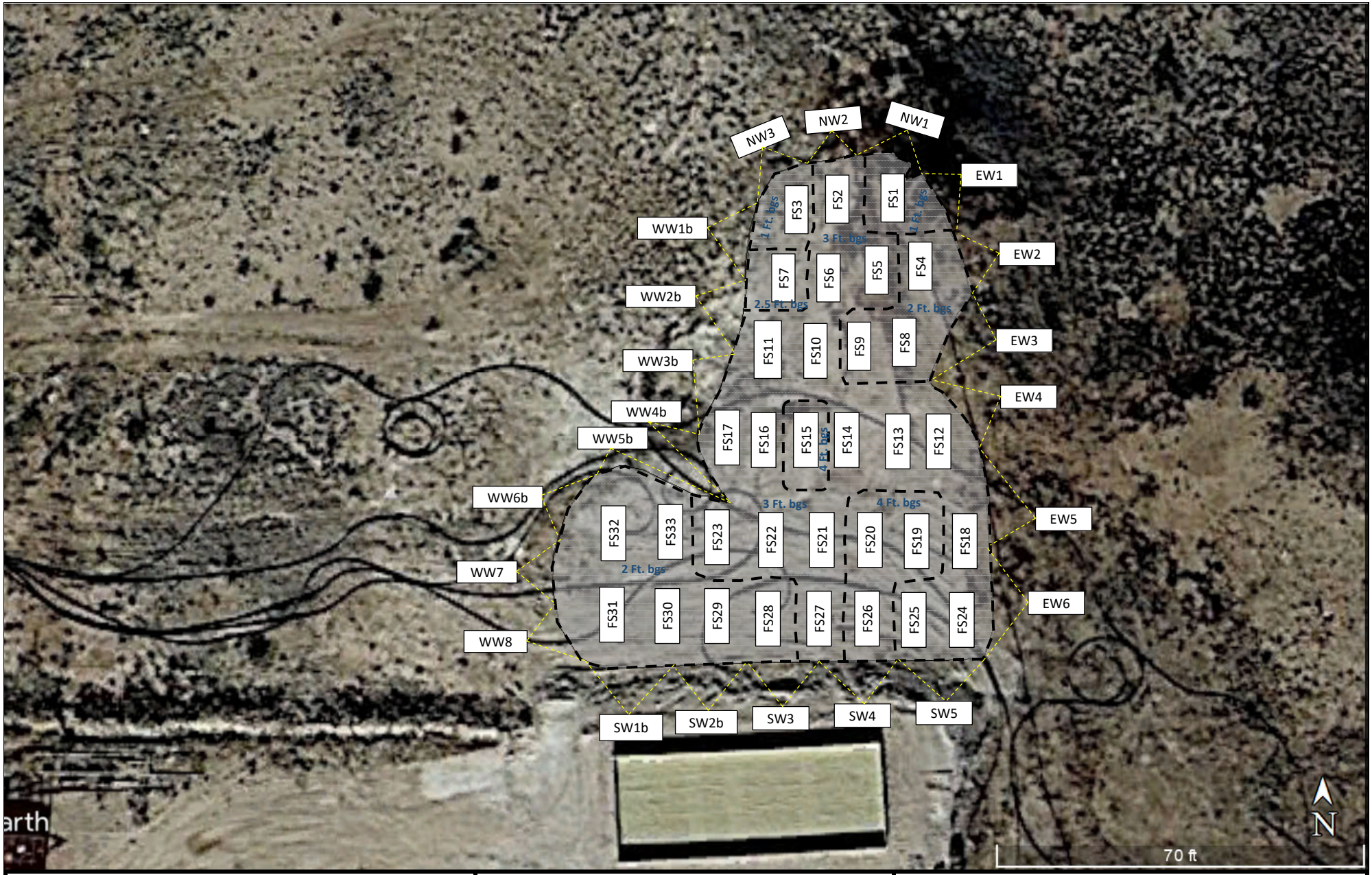


Figure 2
Aerial Map
Grizzly Energy, LLC
Enron Federal Battery
GPS: 32.80081, -104.22879
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 1/13/20

Figure 3
Site and Sample Location Map



Legend:

WW8 Sample Location

Excavated Area

Figure 3

Site and Sample Location Map

Grizzly Energy, LLC

Enron Federal Battery

GPS: 32.80081, -104.22879

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: dd Checked: jwl Date: 4/8/20

Table 1
Concentrations of BTEX, TPH, and/or Chloride in Soil

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX TPH AND CHLORIDE IN SOIL
Grizzly Energy, LLC
Enron Federal Battery
NMOCD Ref. #: Pending

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
SP 1 @ Surf	12/20/19	Surf	Excavated	<0.050	<0.300	<10.0	45.2	45.2	<10.0	45.2	**10,400**
SP 1 @ 2'	12/20/19	2'	Excavated	<0.050	<0.300	<10.0	11.7	11.7	<10.0	11.7	**624**
SP 2 @ Surf	12/20/19	Surf	Excavated	<0.050	<0.300	<10.0	94.8	94.8	43.9	**138.7**	**4,960**
SP 2 @ 2'	12/20/19	2'	Excavated	<0.050	<0.300	<10.0	19.2	19.2	<10.0	19.2	**880**
SP 3 @ Surf	12/20/19	Surf	Excavated	0.355	**60.00**	368	3,300	3,668	791	**4,459**	**13,600**
SP 3 @ 1'	12/20/19	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 4 @ Surf	12/20/19	Surf	Excavated	<0.050	0.964	18.2	1,380	1,398	274	**1,672**	**11,800**
SP 4 @ 3'	12/20/19	3'	Excavated	<0.050	<0.300	<10.0	16.9	16.9	<10.0	16.9	560
SP 5 @ Surf	12/20/19	Surf	Excavated	**14.6**	**1,230**	12,900	39,300	52,200	5,790	**57,990**	**7,730**
SP 5 @ 2'	12/20/19	2'	In-Situ	<0.050	0.424	<10.0	<10.0	<20.0	<10.0	<30.0	432
SP 6 @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	15.1	15.1	<10.0	15.1	80.0
SP 6 @ 1'	12/20/19	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH 1 @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NH 1 @ 1'	12/20/19	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NH 2 @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 2 @ 1'	12/20/19	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 1 @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 1 @ 1'	12/20/19	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EH 2 @ Surf	12/20/19	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	**1,650**
EH 2 @ 1'	12/20/19	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
SH 1 b @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SH 1b @ 1'	12/20/19	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SH 2 b @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SH 2 b @ 1'	12/20/19	1'	In-Situ	<0.050	0.456	<10.0	13.7	13.7	<10.0	13.7	416
WH 1 @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
WH 1 @ 1'	12/20/19	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WH 2 @ Surf	12/20/19	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH 2 @ 1'	12/20/19	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP 1 @ 3'	1/16/20	3'	In-Situ	-	-	-	-	-	-	-	304
SP 2 @ 3'	1/16/20	3'	In-Situ	-	-	-	-	-	-	-	352
EH2 b @ Surf.	1/16/20	Surf.	In-Situ	-	-	-	-	-	-	-	16.0
EH 2 b @ 1'	1/16/20	1'	In-Situ	-	-	-	-	-	-	-	<16.0
SP 1 @ 3'	2/19/20	3'	In-Situ	<0.050	<0.300	<10.0	48.9	48.9	<10.0	48.9	112
EW1	3/11/20	1'	In-Situ	<0.00198	<0.00198	<50.0	55.7	55.7	<50.0	55.7	<4.97
EW2	3/11/20	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	63.5
EW3b	3/11/20	1'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	183
EW4c	3/11/20	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	596
Closure Criteria				**10**	**50**	**-**	**-**	**N/A**	**-**	**100**	**600**

NOTES:

-- = not sampled for constituent

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX TPH AND CHLORIDE IN SOIL
Grizzly Energy, LLC
Enron Federal Battery
NMOCD Ref. #: Pending

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
NW1	3/11/20	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	243
NW2	3/11/20	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	149
NW3	3/11/20	1'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	223
FS1@1'	3/11/20	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	51.1
FS2@3'	3/11/20	3'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	201
FS3@1'	3/11/20	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	191
FS4@2'	3/11/20	2'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	56.3
FS5@3'	3/11/20	3'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	357
FS6@3'	3/11/20	3'	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	329
FS7@2.5'	3/11/20	2.5'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	51.7
FS8@2'	3/11/20	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	216
FS9@2'	3/11/20	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	379
FS10@3'	3/11/20	3'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	125
FS11@3'	3/11/20	3'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	560
FS12@3'	3/11/20	3'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	279
FS13@3'	3/12/20	3'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	194
FS14@3'	3/12/20	3'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	309
FS15@4'	3/12/20	4'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	201
FS16@3'	3/12/20	3'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	72.1
FS17@3'	3/12/20	3'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	394
FS18@3'	3/12/20	3'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	447
FS19@3'	3/12/20	3'	Excavated	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	**1,030**
FS19@3'	3/16/20	3'	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	**991**
FS20@3'	3/16/20	3'	Excavated	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	**940**
FS21@3'	3/16/20	3'	In-Situ	<0.333	<0.333	<49.9	<49.9	<49.9	<49.9	<49.9	445
FS22@3'	3/16/20	3'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	524
FS23@3'	3/16/20	3'	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	**782**
FS24@3'	3/16/20	3'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	599
FS25@3'	3/16/20	3'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	476
FS26@3'	3/16/20	3'	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	**1,040**
FS27@3'	3/16/20	3'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	412
FS28@2'	3/16/20	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	275
FS29@2'	3/16/20	2'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	295
FS30@2'	3/16/20	2'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	278
FS31@2'	3/16/20	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	383
FS32@2'	3/16/20	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	345
FS33@2'	3/16/20	2'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	433
Closure Criteria				**10**	**50**	**-**	**-**	**N/A**	**-**	**100**	**600**

NOTES:

-- = not sampled for constituent

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX TPH AND CHLORIDE IN SOIL
Grizzly Energy, LLC
Enron Federal Battery
NMOCD Ref. #: Pending

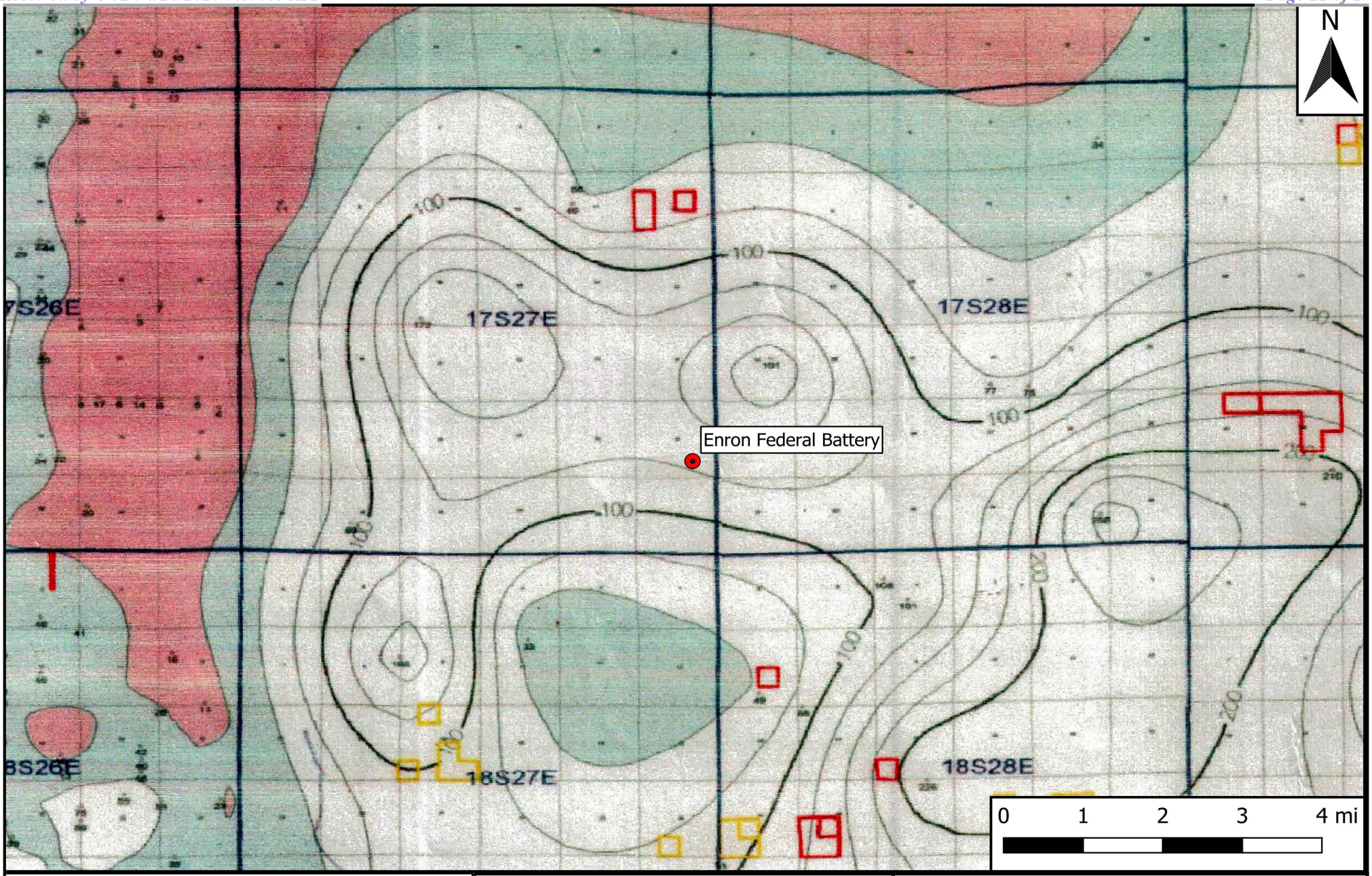
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
SW1b	3/16/20	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	433
SW2b	3/16/20	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	525
SW3	3/16/20	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	378
SW4	3/16/20	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	405
SW5	3/16/20	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	421
EW5b	3/16/20	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	446
EW6	3/16/20	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	379
WW1b	3/17/20	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	261
WW2b	3/17/20	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	318
WW3b	3/17/20	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	166
WW4b	3/17/20	2'	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	102
WW5b	3/17/20	2'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	74.3
WW6b	3/17/20	2'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	16.7
WW7	3/17/20	2'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	<5.04
WW8	3/17/20	2'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	473
FS19@4'	3/23/20	4'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	364
FS20@4'	3/25/20	4'	In-Situ	--	--	--	--	--	--	--	304
FS23@4'	3/25/20	4'	In-Situ	--	--	--	--	--	--	--	368
FS26@4'	3/25/20	4'	In-Situ	--	--	--	--	--	--	--	304
Closure Criteria				**10**	**50**	**-**	**-**	**0**	**-**	**0**	**0**

NOTES:

-- = not sampled for constituent

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Appendix A
Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Grizzly Energy, LLC

Enron Federal Battery

GPS: 32.80081, -104.22879

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 1/13/20

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 572205.58 **Northing (Y):** 3629468.33 **Radius:** 804.67

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 04561		RA	ED		4	2	26	17S	27E	570871	3630142*	1494	250		
RA 12456 POD1		RA	ED	1	4	4	24	17S	27E	572348	3630969	1507	220	92	128

Average Depth to Water: **92 feet**

Minimum Depth: **92 feet**

Maximum Depth: **92 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 572205.58 **Northing (Y):** 3629468.33 **Radius:** 1610

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 04561		4	2	26	17S	27E	570871	3630142*

Driller License: **Driller Company:**

Driller Name: OWEN HAYNES

Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size: 7.00	**Depth Well:** 250 feet	**Depth Water:**

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

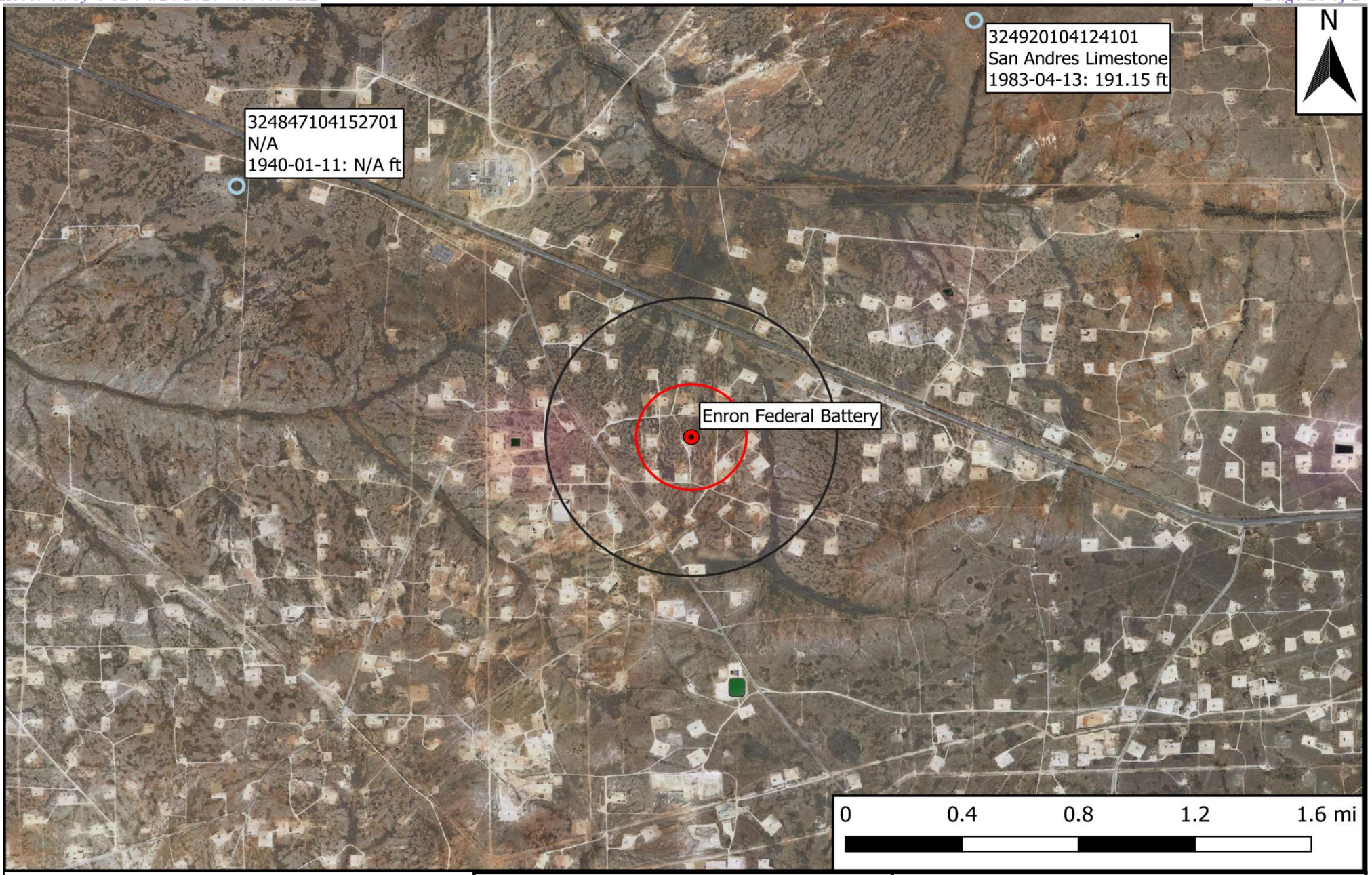
(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12456 POD1	1	4	4	24	17S	27E	572348	3630969

Driller License:	1058	**Driller Company:**	KEY'S DRILLING & PUMP SERVICE		
Driller Name:	DON KUEHN III				
Drill Start Date:	09/07/2016	**Drill Finish Date:**	09/09/2016	**Plug Date:**	
Log File Date:	09/15/2016	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	4.50	**Depth Well:**	220 feet	**Depth Water:**	92 feet

Water Bearing Stratifications:	Top	Bottom	Description
	90	110	Sandstone/Gravel/Conglomerate
	160	180	Shale/Mudstone/Siltstone
	180	200	Sandstone/Gravel/Conglomerate
	200	210	Sandstone/Gravel/Conglomerate
	210	220	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	200	220



Legend
- Site Location
- Well - USGS
- 0.5 Mi Radius
- 1000 Ft Radius

Figure 5
USGS Well Proximity Map
Grizzly Energy, LLC
Enron Federal Battery
GPS: 32.80081, -104.22879
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 1/13/20

National Water Information System: Web Interface

USGS Water Resources

Data Category: Water Quality | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Water Quality Samples for New Mexico

Click for state-specific text
To view additional data-quality attributes, output the results using these options: one result per row, expanded attributes.
Additional precautions are here.

USGS 324847104152701 17S.27E.23.33 OILTEST

Available data for this site: Water-Quality: Field/Lab samples | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060007
Latitude 32°48'50", Longitude 104°15'18" NAD27
Land-surface elevation 3,564 feet above NGVD29
The depth of the well is 625 feet below land surface.

Output formats

Parameter Group Period of Record table
Inventory of available water-quality data for printing
Inventory of water-quality data with retrieval
Tab-separated data, one result per row
Tab-separated data one sample per row with remark codes combined with values
Tab-separated data one sample per row with tab-delimiter for remark codes
Reselect output format

Sample Datetime	Time datum	Time datum reliability code	Sample Medium Code	Agency Collecting Sample, Code	Agency analyzing sample, code (00028)	Specific conductance, wat unf uS/cm @ 25 degC (00095)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)	Chloride, water, fltrd, mg/L (00940)
1940-01-11	MST	T	WG	USGS-WRD	1028	72400	77	0.0	24900

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

U.S. Department of the Interior | U.S. Geological Survey
Title: Water Quality Samples for New Mexico: Sample Data
URL: https://nwis.waterdata.usgs.gov/nm/nwis/qwdata?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2020-01-13 13:08:18 EST
0.46 0.41 nadww02

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324920104124101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

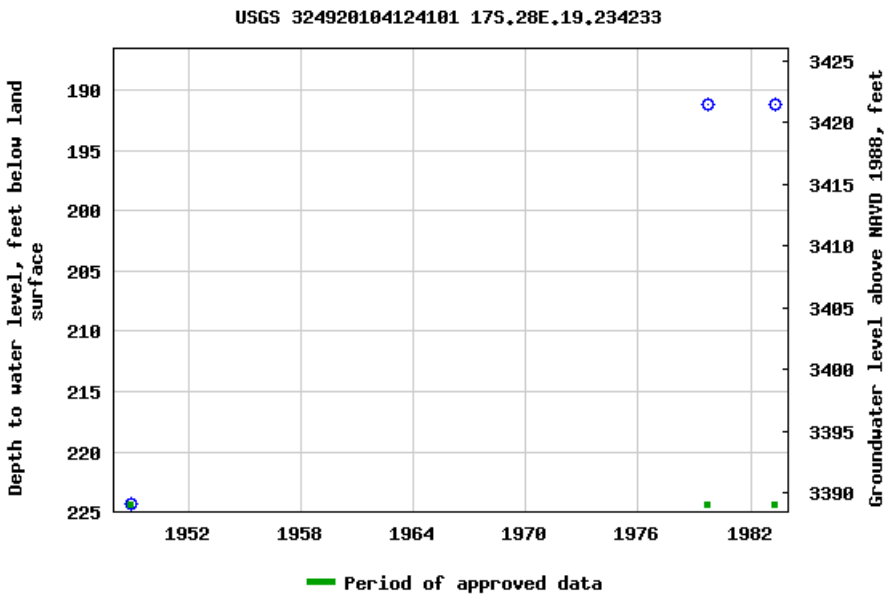
USGS 324920104124101 17S.28E.19.234233

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060007
Latitude 32°49'20", Longitude 104°12'41" NAD27
Land-surface elevation 3,613 feet above NAVD88
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility Plug-Ins FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-01-13 12:54:33 EST
0.53 0.47 nadww02

Appendix B
Field Data and Soil Profile Logs

eTECH Environmental & Safety Solutions, Inc.

Remediation Log

Project: Eron Fed Batt.
Project Number: 11645 Latitude: 32.80104 Longitude: -104.228138

	Yes	No
Confirmation of Active One Call? One Call No.	☐	☐
Confirmation of On-Site JSA?	☐	☐

Date:	Notes	Yds Out	Yds In
	****Begin Remediation Activities****		
3 10 20	Excavate soil & stockpile Load trucks	120	
3/11/20	Excavate soil & stockpile Load trucks Collect soil samples	160	
3/12/20	Excavate soil & stockpile Load trucks Collect soil samples	180	
3 13 20	Excavate soil & stockpile Load trucks Collect soil samples	180	
3/16/20	Excavate soil & stockpile Load trucks Collect soil samples	180	
3/17/20	Excavate soil & stockpile Completed Load trucks Collect soil samples	200	
3/18/20	Load contaminated soil	120	
3/23/20	Dig Hot spots and load soil for Disposle	20	
	****Begin Backfill Activies****		
	****Complete Remediation Activities****		

Total Yds Out	Total Yds In

	Yes	No
Pictures of Open Excavation Prior to Backfill	☐	☐
Relevant Information in Project Folder?	☐	☐

eTECH Environmental & Safety Solutions, Inc.

Remediation Log

Project: Enron Fed Batt
Project Number: 11645 Latitude: 32.80104 Longitude: -104.228738

	Yes	No
Confirmation of Active One Call? One Call No.	☑	☐
Confirmation of On-Site JSA?	☑	☐

Date:	Notes	Yds Out	Yds In
	****Begin Remediation Activities****		
3/24/20	Stockpile Backfill	5	660
3/25/20	Excavate Hot spots Stockpile Backfill Load soil to go to Disposal	20	540
3/26/20	Backfill w/ Loader		
3/27/20	Finish up Backfill		
	****Begin Backfill Activies****		
	****Complete Remediation Activities****		

Total Yds Out	Total Yds In
1180	1200

	Yes	No
Pictures of Open Excavation Prior to Backfill	☑	☐
Relevant Information in Project Folder?	☐	☐

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Project: Enron Date: 3.11.20

Project Number: 11645 Latitude: Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
EW1	None	168	
EW2	None	312	
EW3	none	1228 ★	
EW4	none	1628 ★	
EW3b	none	220	
EW4b	none	1144 ★	
EW4c	none	508	
NW1	none	168	
NW2	none	168	
NW3	none	348	
FS1@1'	None	124	
FS2@3'	none	196	
FS3@1'	none	280	
FS4@1'	light	1064 ★	
FS4@2'	none	124	
FS5@3'	None	196	
FS6@3'	none	248	
FS7@1'	none	556 ★	
FS7@2'	none	988 ★	
FS7@2.5'	None	7124	
FS8@2'	none	248	
FS9@2'	none	348	
FS10@3'	none	196	
FS11@3'	none	348	
FS12@3'	None	280	
WW1	none	508 ★	
WW2	none	848 ★	
WW3	none	1128 ★	
3.12.20	—	3.12.20	3.12.20
FS13@3'	None	248	
FS14@3'	None	348	
FS15@3'	none	1228 ★	
FS16@3'	none	>112	
FS17@2'	none	1416 ★	
FS18@2'	light	1872 ★	
FS19@2'	none	348 ★	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

★ - Did not go to Lab!

ETECH Environmental & Safety Solutions, Inc.

Sample Log

Project: Enron Date: 3.12.20

Project Number: 11645 Latitude: Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
FS 20 @2'	none	2008 ★	
FS 21 @2'	none	848 ★	
FS 22 @2'	none	1228 ★	
FS 23 @2'	none	3552 ★	
FS 24 @2'	none	556 ★	
FS 25 @2'	none	1228 ★	
FS 26 @2'	none	1228 ★	
FS 27 @2'	none	848 ★	
FS 15 @ 4'	none	220	
FS 17 @ 3'	none	552	
FS 18 @ 3'	none	312	
3.16.20		3.16.20	3.12.20
FS 19 @ 3'	none	280	
FS 20 @ 3'	none	464	
FS 21 @ 3'	none	196	
FS 22 @ 3'	none	220	
FS 23 @ 3'	none	220	
FS 24 @ 3'	none	464	
FS 25 @ 3'	none	190	
FS 26 @ 3'	none	168	
FS 27 @ 3'	none	464	
SW1	none	848 ★	
SW2	none	2008 ★	
SW3	none	424	
EW 5	none	1628 ★	
EW 6	none	464	
EW 5b	none	384	
SW 1b	none	464	
SW 2b	none	348	
FS 28 @2'	none	168	
FS 29 @2'	none	196	
FS 30 @2'	none	220	
FS 31 @2'	none	384	
FS 32 @2'	none	280	
FS 33 @2'	none	196	
SW4	none	280	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

★- Did not go to LAB!

ETECH Environmental & Safety Solutions, Inc.

Sample Log

Project: Enron

Project Number: 11645

Date: 3.16.20

Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
SW5	none	385	
3.17.20		3.17.20	3.17.20
WW1b	none	464	
WW2b	none	312	
WW3b	none	280	
WW4b	none	280	
WW5b	none	168	
WW6b	none	196	
WW7	none	464	
WW8	none	384	
WW 4	none	1628 *	
3.23.20		3.23.20	3.23.20
FS1@4'	none	148	
3.25.20		3.25.20	3.25.20
FS2@4'	none		
FS3@4'	none		
FS4@4'	none		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

* - Did not go to LAB!

ETECH Environmental & Safety Solutions, Inc.

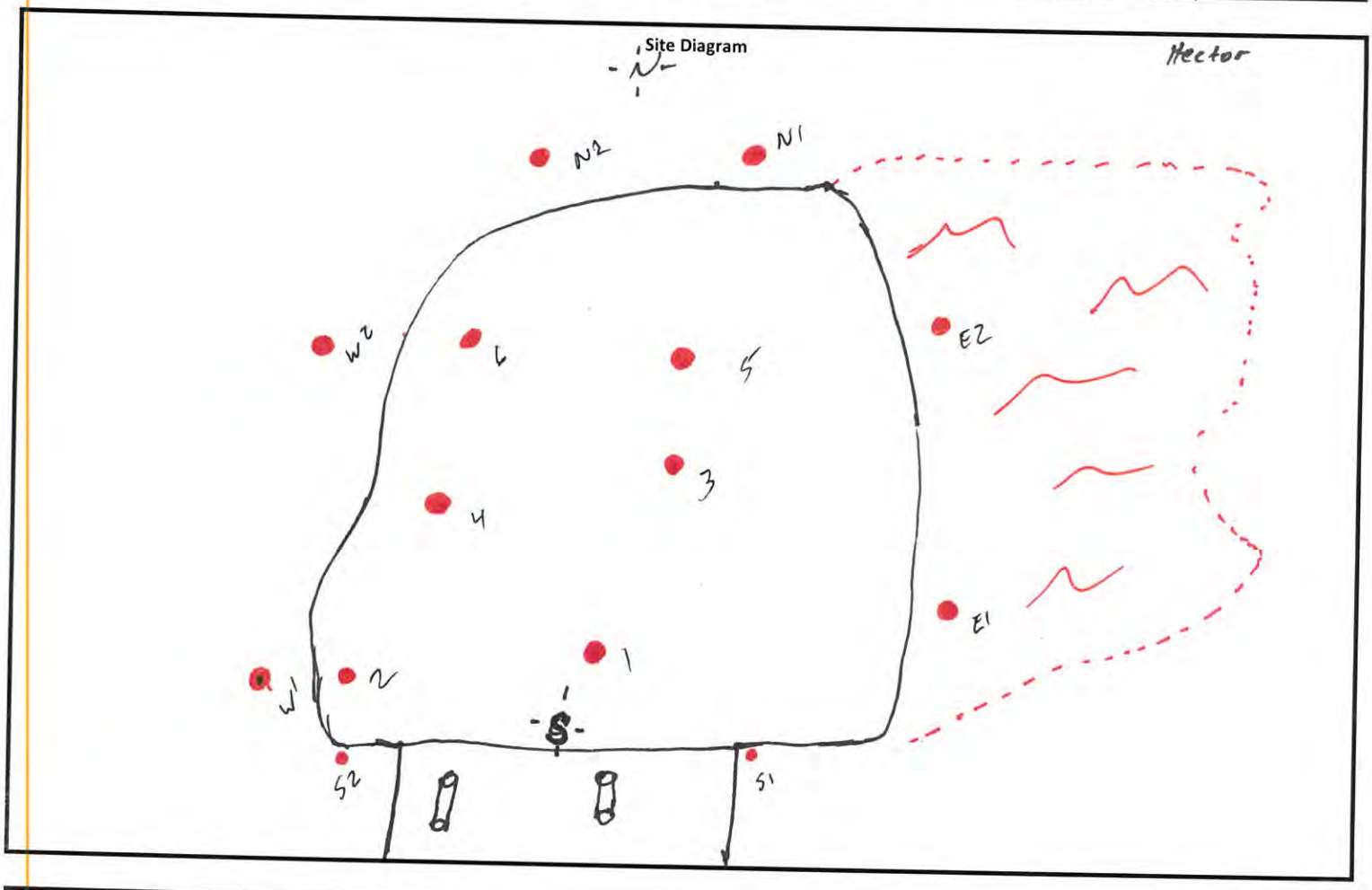
Initial Release Assessment Form

Project: Enron Federal Date: 1.16.20

Project Number: Latitude: 32.80081 Longitude: -104.22879

Clean Up Level:

Site Diagram



Notes:

---- = burned area
Conduct ERA

~Length: 200 ~Width: 200 ~Area: ~Depth: 2'

	Yes	No
3-4 Representative Pictures of the Affected Area including sample locations?	☑	☐
Necessary Samples Field Screened and on Ice?	☑	☐
Sample and Field Screen Data Entered on Sample Log?	☑	☐
Was horizontal and vertical delineation achieved?	☑	☐

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date:

Project: Enron Federal Battery

Project Number: 11645 Latitude: 32.80081 Longitude: -104.22879

Sample ID	PID/Odor	Chloride Conc.	GPS
SP1@surface	Strong	- 10:00	
SP1@1'	light	960	
SP2@surface	Strong	- 10:10	
SP2@1'	light	1820 11:10	
SP3@surface	Strong	- 10:20	
SP3@1'	light	204 11:15	
SP4@surface	Strong	- 10:30	
SP4@1'	light	2542	
SP5@surface	Strong	- 10:40	
SP5@1'	light	888	
SP6@surface	Strong	- 10:50	
SP6@1'	light	148 11:30	
SP1@2'	very light	236 11:00	
SP2@2'	Very Light	528	
SP4@2'	Very light	1948	
SP5@2'	Very light	432 11:25	
SP4@3'	none	540 11:20	
NH1@surface	none	116 11:40	
NH1@1'	none	116 11:50	
NH2@surface	none	168 12:00	
NH2@1'	none	116 12:10	
EH1@surface	none	116 12:20	
EH1@1'	none	140 12:30	
EH2@surface	none	544 12:40	
EH2@1'	none	268 12:50	
SH1@surface	none	1588 ~~1600~~	
SH1@1'	none	1948 ~~1950~~	
SH2@surface	none	~~1948~~ 1948 ~~2000~~	
SH2@1'	none	~~1820~~ 1820 ~~1820~~	
WH1@Surface	none	388 10:50	
WH1@1'	none	172 1:40	
WH2@Surface	none	120 1:50	
WH2@1'	none	120 2:00	
SH1b@surface	None	544 2:10	
SH1b@1'	none	2:20	
SH2b@surface	none	1:00 SH2b@1' none	1:10

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Project: Enron Battery
Date: 1.16.20
Project Number:
Latitude:
Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
SP1@3'	none	120 12:00	
SP2@3'	none	120 12:30	
EH2b@surface	none	120 1:30	
EH2b@1'	none	120 2:00	

Sample Point = SP #1 @ ## etc
Floor = FL #1 etc
Sidewall = SW #1 etc

Test Trench = TT #1 @ ##
Refusal = SP #1 @ 4'-R
Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b
Stockpile = Stockpile #1
GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Soil Profile

Project: Enron Federal Battery
Date: 1/10/2020
Project Number: 11645 Latitude: 32.80081 Longitude: -104.22879

Depth (ft. bgs)	Description
0-1'	Top soil
1-2'	rock / brown dirt

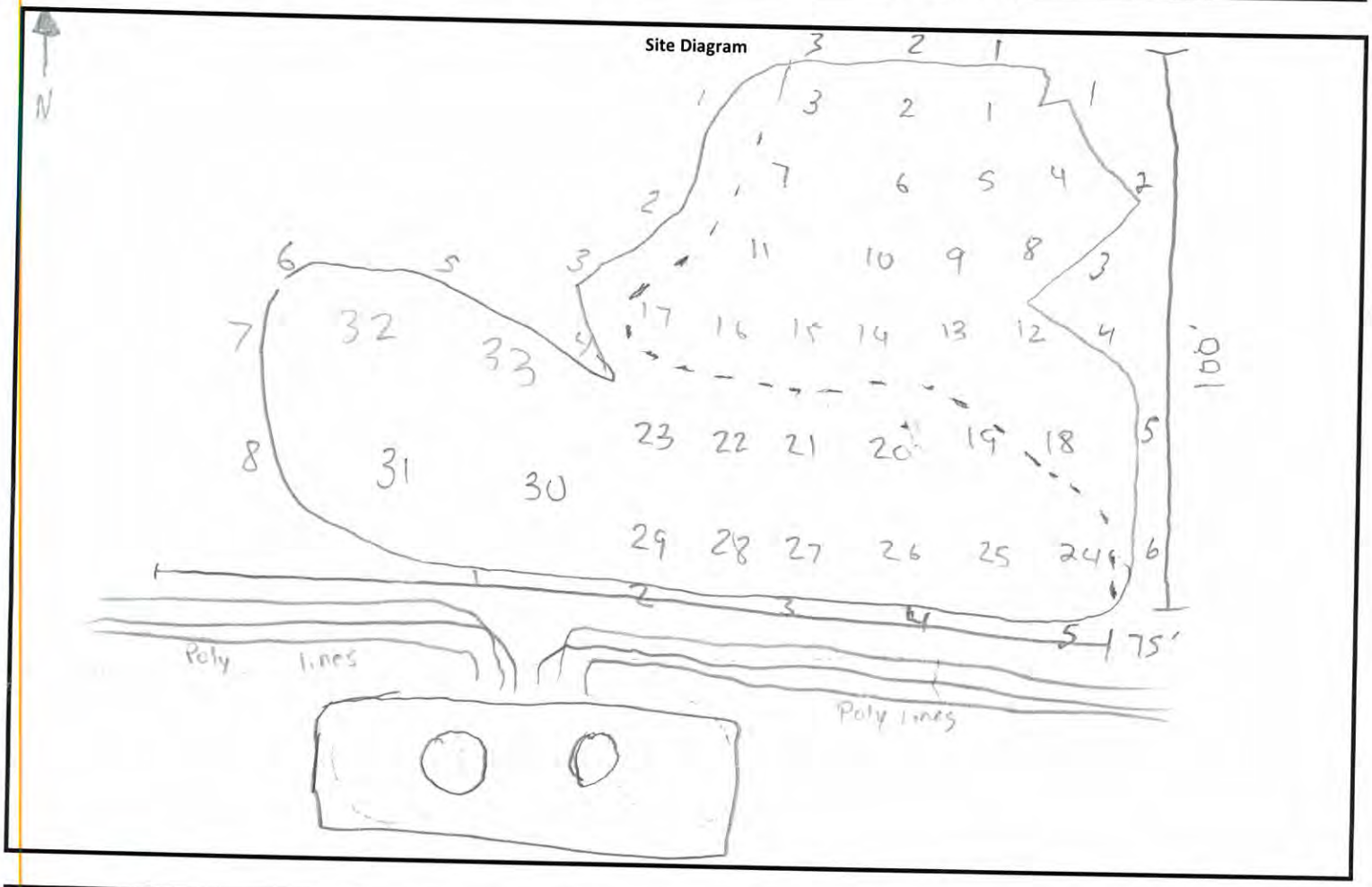
ETECH Environmental & Safety Solutions, Inc.

Initial Release Assessment Form

Project: Enron Date: 3-17-20

Project Number: 11645 Latitude: Clean Up Level: Longitude:

Site Diagram



Notes:

~Length: ~Width: ~Area: ~Depth:

	Yes	No
3-4 Representative Pictures of the Affected Area including sample locations?	☐	☐
Necessary Samples Field Screened and on Ice?	☐	☐
Sample and Field Screen Data Entered on Sample Log?	☐	☐
Was horizontal and vertical delineation achieved?	☐	☐

Appendix C
Laboratory Analytical Reports

CARDINAL Laboratories

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

December 31, 2019

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: ENRON FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/26/19 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 1 @ SURFACE (H904291-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10400**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	**45.2**	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *97.9 %* *41-142*

Surrogate: 1-Chlorooctadecane *108 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 1 @ 2' (H904291-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/27/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**11.7**	10.0	12/27/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane *85.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *91.4 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 2 @ SURFACE (H904291-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4960**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**94.8**	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	**43.9**	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *91.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *101 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 2 @ 2' (H904291-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.4 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**880**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**19.2**	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *86.7 %* *41-142*

Surrogate: 1-Chlorooctadecane *94.7 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 3 @ SURFACE (H904291-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.355**	0.200	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	**13.0**	0.200	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	**22.1**	0.200	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	**24.5**	0.600	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	**60.0**	1.20	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**13600**	16.0	12/27/2019	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**368**	50.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**3300**	50.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	**791**	50.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *144 %* *41-142*

Surrogate: 1-Chlorooctadecane *170 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 3 @ 1' (H904291-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *84.7 %* *41-142*

Surrogate: 1-Chlorooctadecane *91.6 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 4 @ SURFACE (H904291-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	**0.138**	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	**0.352**	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	**0.474**	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	**0.964**	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**11800**	16.0	12/27/2019	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**18.2**	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**1380**	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	**274**	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *98.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *133 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 4 @ 3' (H904291-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**16.9**	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *89.8 %* *41-142*

Surrogate: 1-Chlorooctadecane *98.3 %* *37.6-147*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 5 @ SURFACE (H904291-09)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**14.6**	5.00	12/28/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	**320**	5.00	12/28/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	**438**	5.00	12/28/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	**460**	15.0	12/28/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	**1230**	30.0	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7730**	16.0	12/27/2019	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**12900**	50.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**39300**	50.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	**5790**	50.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *621 %* *41-142*

Surrogate: 1-Chlorooctadecane *843 %* *37.6-147*

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Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 5 @ 2' (H904291-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	**0.263**	0.050	12/28/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	**0.161**	0.050	12/28/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	**0.424**	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *87.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *93.1 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 6 @ SURFACE (H904291-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	**0.064**	0.050	12/28/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	**0.065**	0.050	12/28/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	**15.1**	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *90.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *95.5 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SP 6 @ 1' (H904291-12)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *88.2 %* *41-142*

Surrogate: 1-Chlorooctadecane *94.4 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: NH 1 @ SURFACE (H904291-13)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/27/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *88.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *94.6 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: NH 1 @ 1' (H904291-14)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/28/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/27/2019	ND	416	104	400	0.00	

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	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *84.5 %* *41-142*

Surrogate: 1-Chlorooctadecane *89.0 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: NH 2 @ SURFACE (H904291-15)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/28/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *89.9 %* *41-142*

Surrogate: 1-Chlorooctadecane *96.1 %* *37.6-147*

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Analytical Results For:

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: NH 2 @ 1' (H904291-16)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/28/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *85.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *91.2 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: EH 1 @ SURFACE (H904291-17)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.64	82.0	2.00	14.7	
Toluene*	<0.050	0.050	12/28/2019	ND	1.64	81.8	2.00	14.5	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.67	83.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.86	81.0	6.00	15.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *85.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *91.4 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: EH 1 @ 1' (H904291-18)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *86.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *92.0 %* *37.6-147*

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Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: EH 2 @ SURFACE (H904291-19)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1650**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *85.9 %* *41-142*

Surrogate: 1-Chlorooctadecane *89.2 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: EH 2 @ 1' (H904291-20)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *87.8 %* *41-142*

Surrogate: 1-Chlorooctadecane *96.0 %* *37.6-147*

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SH 1 b @ SURFACE (H904291-21)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2019	ND	214	107	200	2.50	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	225	112	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane *90.2 %* *41-142*

Surrogate: 1-Chlorooctadecane *95.3 %* *37.6-147*

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SH 1b @ 1' (H904291-22)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2019	ND	207	104	200	0.864	
DRO >C10-C28*	<10.0	10.0	12/29/2019	ND	229	115	200	0.741	
EXT DRO >C28-C36	<10.0	10.0	12/29/2019	ND					

Surrogate: 1-Chlorooctane *89.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *96.3 %* *37.6-147*

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Analytical Results For:

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JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SH 2 b @ SURFACE (H904291-23)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2019	ND	207	104	200	0.864	
DRO >C10-C28*	<10.0	10.0	12/29/2019	ND	229	115	200	0.741	
EXT DRO >C28-C36	<10.0	10.0	12/29/2019	ND					

Surrogate: 1-Chlorooctane *92.2 %* *41-142*

Surrogate: 1-Chlorooctadecane *97.5 %* *37.6-147*

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: SH 2 b @ 1' (H904291-24)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	**0.456**	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	**0.456**	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2019	ND	207	104	200	0.864	
DRO >C10-C28*	**13.7**	10.0	12/29/2019	ND	229	115	200	0.741	
EXT DRO >C28-C36	<10.0	10.0	12/29/2019	ND					

Surrogate: 1-Chlorooctane *88.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *95.8 %* *37.6-147*

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Analytical Results For:

Etech Environmental & Safety Solutions
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P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: WH 1 @ SURFACE (H904291-25)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2019	ND	207	104	200	0.864	
DRO >C10-C28*	<10.0	10.0	12/29/2019	ND	229	115	200	0.741	
EXT DRO >C28-C36	<10.0	10.0	12/29/2019	ND					

Surrogate: 1-Chlorooctane *92.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *97.2 %* *37.6-147*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: WH 1 @ 1' (H904291-26)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2019	ND	207	104	200	0.864	
DRO >C10-C28*	<10.0	10.0	12/29/2019	ND	229	115	200	0.741	
EXT DRO >C28-C36	<10.0	10.0	12/29/2019	ND					

Surrogate: 1-Chlorooctane *84.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *88.7 %* *37.6-147*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: WH 2 @ SURFACE (H904291-27)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2019	ND	207	104	200	0.864	
DRO >C10-C28*	<10.0	10.0	12/29/2019	ND	229	115	200	0.741	
EXT DRO >C28-C36	<10.0	10.0	12/29/2019	ND					

Surrogate: 1-Chlorooctane *87.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *90.7 %* *37.6-147*

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	12/26/2019	Sampling Date:	12/20/2019
Reported:	12/31/2019	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY - EDDY CO NM		

Sample ID: WH 2 @ 1' (H904291-28)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2019	ND	1.67	83.6	2.00	13.4	
Toluene*	<0.050	0.050	12/28/2019	ND	1.66	82.9	2.00	13.1	
Ethylbenzene*	<0.050	0.050	12/28/2019	ND	1.70	84.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	12/28/2019	ND	4.93	82.2	6.00	13.0	
Total BTEX	<0.300	0.300	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/27/2019	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2019	ND	207	104	200	0.864	
DRO >C10-C28*	<10.0	10.0	12/29/2019	ND	229	115	200	0.741	
EXT DRO >C28-C36	<10.0	10.0	12/29/2019	ND					

Surrogate: 1-Chlorooctane *90.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *92.6 %* *37.6-147*

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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Celey D. Keene, Lab Director/Quality Manager

1 of 3

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental	**BILL TO**
Project Manager: Joel Lowry	P.O. #: Grizzly
Address: 3100 Plains Hwy	Company:
City: Lovington State: NM Zip: 88260	Attn: Carmen Pitt
Phone #: 432-406-4450 Fax #:	Address:
Project #: 11645 Project Owner: Grizzly	City:
Project Name: Enron Federal Battery	State: Zip:
Project Location: Eddy Co, New Mexico	Phone #:
Sampler Name: Miguel Ramirez	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH	BTEX 8021
#904291																	
1	SP1 @ surface	G	1			X					X		12-20-19	10:00	X	X	X
2	SP1 @ 2'	G	1			X					X		12-20-19	11:00	X	X	X
3	SP2 @ surface	G	1			X					X		12-20-19	10:10	X	X	X
4	SP2 @ 2'	G	1			X					X		12-20-19	11:10	X	X	X
5	SP3 @ surface	G	1			X					X		12-20-19	10:20	X	X	X
6	SP3 @ 1'	G	1			X					X		12-20-19	11:15	X	X	X
7	SP4 @ surface	G	1			X					X		12-20-19	10:30	X	X	X
8	SP4 @ 3'	G	1			X					X		12-20-19	11:20	X	X	X
9	SP5 @ surface	G	1			X					X		12-20-19	10:40	X	X	X
10	SP5 @ 2'	G	1			X					X		12-20-19	11:25	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal'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 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 of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 12-26-19	Received By:	
Relinquished By:	Time: 154:30	Received By:	
Delivered By: (Circle One)	Date:	Time:	
Sampler - UPS - Bus - Other:	-5.5°C #97 Corrected -5.1°C	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: email results to joel@etechenv.com
lanes@etechenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

FORM-006 R 2.0

2 of 3

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Etech Environmental
Project Manager:	Joel Lowry
Address:	3100 Plains Hwy
City:	Lovington State: NM Zip: 88260
Phone #:	432-466-4450 Fax #:
Project #:	11645 Project Owner:
Project Name:	Enron Federal Battery
Project Location:	Eddy Co, New Mexico
Sampler Name:	Miguel Ramirez

BILL TO

P.O. #:	Grizzly
Company:	
Attn:	Carmen Pitt
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH	BTEX 8021
H904291																	
11	SP6@surface	G	1			X					X		12-20-19	10:50	X	X	X
12	SP6@1'	G	1			X					X		12-20-19	11:30	X	X	X
13	NH1@surface	G	1			X					X		12-20-19	11:40	X	X	X
14	NH1@1'	G	1			X					X		12-20-19	11:50	X	X	X
15	NH2@surface	G	1			X					X		12-20-19	12:00	X	X	X
16	NH2@1'	G	1			X					X		12-20-19	12:10	X	X	X
17	EH1@surface	G	1			X					X		12-20-19	12:20	X	X	X
18	EH1@1'	G	1			X					X		12-20-19	12:30	X	X	X
19	EH2@surface	G	1			X					X		12-20-19	12:40	X	X	X
20	EH2@1'	G	1			X					X		12-20-19	12:50	X	X	X

Relinquished By:	Date: 12-26-19	Received By:	
Relinquished By:	Time: 14:30	Received By:	
Delivered By: (Circle One)	Date:	Time:	
Sampler - UPS - Bus - Other:	-5.5°C #97 Corrected -5.1°C	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) TO

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: email results to joel@etechenv.com
lance@etechenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

FORM-006 R 2.0

3 of 3

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental
Project Manager: Joel Lowry
Address: 3100 Plains Hwy
City: Lovington State: NM Zip: 88260
Phone #: 432-466-4450 Fax #:
Project #: 11645 Project Owner: Grizzly
Project Name: Enron Federal Battery
Project Location: Eddy Co, New Mexico
Sampler Name: Miguel Ramirez

BILL TO
P.O. #: Grizzly
Company:
Attn: Carmen Pitt
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. H904291	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021
21	SH1b@surface	G	1			X					X		12-20-19	2:10	X	X	X
22	SH1b@1'	G	1			X					X		12-20-19	2:20	X	X	X
23	SH2b@surface	G	1			X					X		12-20-19	1:00	X	X	X
24	SH2b@1'	G	1			X					X		12-20-19	1:10	X	X	X
25	WH1@surface	G	1			X					X		12-20-19	10:50	X	X	X
26	WH1@1'	G	1			X					X		12-20-19	1:40	X	X	X
27	WH2@surface	G	1			X					X		12-20-19	1:50	X	X	X
28	WH2@1'	G	1			X					X		12-20-19	2:00	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal'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 service. In no event shall Cardinal be liable for incidental or consequential 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 of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [signature] Date: 12-26-19 Time: 14:30 Received By: Tamara Oldaker [signature]

Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) -5.5°c #97
Sampler - UPS - Bus - Other: Corrected -5.1°c

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS: email results to joel@etechenv.com lance@etechenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

FORM-006 R 2.0

CARDINAL Laboratories

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

January 20, 2020

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: ENRON FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/16/20 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/20/2020	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Jodi Henson
Project Location:	GRIZZLY UL/O SEC25 T17S R27E		

Sample ID: SP 1 @ 3' (H000173-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	01/20/2020	ND	416	104	400	3.77	

Sample ID: SP 2 @ 3' (H000173-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	01/20/2020	ND	416	104	400	3.77	

Sample ID: EH2 b @ SURFACE (H000173-03)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/20/2020	ND	416	104	400	3.77	

Sample ID: EH2 b @ 1' (H000173-04)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/20/2020	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Grizzly Energy, LLC	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	3100 Plains Hwy	**Company:**	Etech Environmental
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Lance Crenshaw
Phone #:	575-396-2378 **Fax #:** 575-396-1429	**Address:**	P.O. Box 301
Project #:	11645 **Project Owner:** Grizzly Energy, LLC	**City:**	Lovington
Project Name:	Enron Federal Battery	**State:** NM **Zip:** 88260	
Project Location:	UL/ O Sec 25 T17S - R27E	**Phone #:**	575-396-2378
Sampler Name:	Miguel Ramirez	**Fax #:**	575-396-1429

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH	BTEX 8021
H000173																	
1	SP1@3'	G	1			X					X		1/16/20	12:00	X		
2	SP2@3'	G	1			X					X		1/16/20	12:30	X		
3	EH2b@Surf	G	1			X					X		1/16/20	13:30	X		
4	EH2b@1'	G	1			X					X		1/16/20	14:00	X		

Relinquished By:	**Date:** 1-16-20	**Received By:** Jodi Henson	
	Time: 4:20		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -0.8°C #113

Sample Condition Cool: ☐ Yes ☐ No — Intact: ☑ Yes ☐ No

CHECKED BY: (Initials) JH

Phone Result:	☐ Yes	☐ No	**Add'l Phone #:**
Fax Result:	☐ Yes	☐ No	**Add'l Fax #:**

REMARKS: Email results to **lance@etechenv.com**

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

FORM-006 R 2.0

CARDINAL Laboratories

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

February 28, 2020

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: ENRON FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/21/20 15:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	02/21/2020	Sampling Date:	02/19/2020
Reported:	02/28/2020	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY UL/O SEC25 T17S R27E		

Sample ID: SP 1 @ 3' (H000561-01)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2020	ND	1.97	98.6	2.00	4.38	QR-03
Toluene*	<0.050	0.050	02/27/2020	ND	1.98	99.0	2.00	4.32	QR-03
Ethylbenzene*	<0.050	0.050	02/27/2020	ND	1.98	98.9	2.00	3.92	QR-03
Total Xylenes*	<0.150	0.150	02/27/2020	ND	5.81	96.8	6.00	3.91	QR-03
Total BTEX	<0.300	0.300	02/27/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	02/25/2020	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2020	ND	208	104	200	2.93	
DRO >C10-C28*	**48.9**	10.0	02/28/2020	ND	226	113	200	0.526	
EXT DRO >C28-C36	<10.0	10.0	02/28/2020	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *93.4 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Grizzly Energy	**BILL TO**
Project Manager: Lance Crenshaw	**P.O. #:**
Address:	**Company:** Grizzly
City: **State:** **Zip:**	**Attn:** Carmen Pitt
Phone #: **Fax #:**	**Address:**
Project #: 11645 **Project Owner:**	**City:**
Project Name: Enron Federal Battery	**State:** **Zip:**
Project Location: Eddy County	**Phone #:**
Sampler Name: Lance Crenshaw	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
H000561																				
1	SP1 @ 3'	G	1			✓					✓		2/19/20		✓	✓	✓			

PLEASE NOTE: Liability and Damages. Cardinal'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 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 of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 2-21-20	**Received By:**	Phone Result: ☐ Yes ☑ No Add'l Phone #:
	Time: 3:24		Fax Result: ☐ Yes ☑ No Add'l Fax #:
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** email results pm@etechenv.com
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.8c #113		**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Certificate of Analysis Summary 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id:
Contact: Joel Lowry
Project Location:

Date Received in Lab: Thu Mar-19-20 12:00 pm
Report Date: 24-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656110-001		656110-002		656110-003		656110-004		656110-005		656110-006	
	Field Id:	WW1b		WW2b		WW3b		WW4b		WW5b		WW6b	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-17-20 00:00		Mar-17-20 00:00		Mar-17-20 00:00		Mar-17-20 00:00		Mar-17-20 00:00		Mar-17-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-22-20 16:00		Mar-22-20 16:00		Mar-22-20 16:00		Mar-22-20 16:00		Mar-22-20 16:00		Mar-22-20 16:00	
	Analyzed:	Mar-23-20 09:18		Mar-23-20 09:39		Mar-23-20 09:59		Mar-23-20 10:20		Mar-23-20 10:40		Mar-23-20 11:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00400	0.00400	<0.00400	0.00400	<0.00398	0.00398	<0.00396	0.00396	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Mar-20-20 17:00		Mar-20-20 17:00		Mar-20-20 17:00		Mar-20-20 18:00		Mar-20-20 18:00		Mar-20-20 18:00	
	Analyzed:	Mar-21-20 02:08		Mar-21-20 02:15		Mar-21-20 02:23		Mar-21-20 02:33		Mar-21-20 02:39		Mar-21-20 11:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		261	49.9	318	49.7	166	49.5	102	50.0	74.3	49.9	16.7	5.04
TPH By SW8015 Mod	***Extracted:***	Mar-20-20 11:00		Mar-20-20 11:00		Mar-20-20 11:00		Mar-20-20 11:00		Mar-20-20 11:00		Mar-20-20 11:00	
	Analyzed:	Mar-20-20 16:34		Mar-20-20 16:55		Mar-20-20 17:37		Mar-20-20 17:58		Mar-20-20 18:19		Mar-20-20 18:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager

Certificate of Analysis Summary 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id:
Contact: Joel Lowry
Project Location:

Date Received in Lab: Thu Mar-19-20 12:00 pm
Report Date: 24-MAR-20
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	656110-007		656110-008					
	Field Id:	WW7		WW8					
	Depth:	2- ft		2- ft					
	Matrix:	SOIL		SOIL					
	Sampled:	Mar-17-20 00:00		Mar-17-20 00:00					
BTEX by EPA 8021B	***Extracted:***	Mar-22-20 16:00		Mar-22-20 16:00					
	Analyzed:	Mar-23-20 11:21		Mar-23-20 11:41					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00199	0.00199	<0.00200	0.00200				
Toluene		<0.00199	0.00199	<0.00200	0.00200				
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200				
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399				
o-Xylene		<0.00199	0.00199	<0.00200	0.00200				
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200				
Total BTEX		<0.00199	0.00199	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Mar-20-20 18:00		Mar-20-20 18:00					
	Analyzed:	Mar-21-20 11:32		Mar-21-20 03:11					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		<5.04	5.04	473	49.6				
TPH By SW8015 Mod	***Extracted:***	Mar-20-20 11:00		Mar-20-20 11:00					
	Analyzed:	Mar-20-20 19:00		Mar-20-20 19:21					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<49.9	49.9				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager

Analytical Report 656110

for

Etech Environmental & Safety Solution, Inc

Project Manager: Joel Lowry

Enron Federal Battery

24-MAR-20

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

24-MAR-20

Project Manager: **Joel Lowry**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: XENCO Report No(s): **656110**
Enron Federal Battery
Project Address:

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 656110. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 656110 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Sample Cross Reference 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
WW1b	S	03-17-20 00:00	2 ft	656110-001
WW2b	S	03-17-20 00:00	2 ft	656110-002
WW3b	S	03-17-20 00:00	2 ft	656110-003
WW4b	S	03-17-20 00:00	2 ft	656110-004
WW5b	S	03-17-20 00:00	2 ft	656110-005
WW6b	S	03-17-20 00:00	2 ft	656110-006
WW7	S	03-17-20 00:00	2 ft	656110-007
WW8	S	03-17-20 00:00	2 ft	656110-008

CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Enron Federal Battery

Project ID:
Work Order Number(s): *656110*

Report Date: *24-MAR-20*
Date Received: *03/19/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120692 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Lab Sample ID 656110-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 656110-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW1b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-001	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 17.00	Basis:	Wet Weight
Seq Number:	3120530				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**261**	49.9	mg/kg	03.21.20 02.08		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.20.20 16.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.20.20 16.34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.20.20 16.34	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.20.20 16.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	03.20.20 16.34	
o-Terphenyl	84-15-1	93	%	70-135	03.20.20 16.34	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW1b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-001	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.23.20 09.18	UX	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.23.20 09.18	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.23.20 09.18	UX	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.23.20 09.18	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.23.20 09.18	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.23.20 09.18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.23.20 09.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	03.23.20 09.18	
4-Bromofluorobenzene	460-00-4	110	%	70-130	03.23.20 09.18	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW2b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-002	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 17.00	Basis:	Wet Weight
Seq Number:	3120530				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**318**	49.7	mg/kg	03.21.20 02.15		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.20.20 16.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.20.20 16.55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.20.20 16.55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.20.20 16.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.20.20 16.55	
o-Terphenyl	84-15-1	96	%	70-135	03.20.20 16.55	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW2b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-002	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.23.20 09.39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.23.20 09.39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.23.20 09.39	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.23.20 09.39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.23.20 09.39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.23.20 09.39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.23.20 09.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.23.20 09.39	
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.23.20 09.39	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW3b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-003	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 17.00	Basis:	Wet Weight
Seq Number:	3120530				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**166**	49.5	mg/kg	03.21.20 02.23		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.20.20 17.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.20.20 17.37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.20.20 17.37	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.20.20 17.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	03.20.20 17.37	
o-Terphenyl	84-15-1	99	%	70-135	03.20.20 17.37	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW3b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-003	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.23.20 09.59	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.23.20 09.59	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.23.20 09.59	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.23.20 09.59	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.23.20 09.59	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.23.20 09.59	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.23.20 09.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	03.23.20 09.59	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.23.20 09.59	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW4b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-004	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 18.00	Basis:	Wet Weight
Seq Number:	3120531				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**102**	50.0	mg/kg	03.21.20 02.33		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.20.20 17.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.20.20 17.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.20.20 17.58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.20.20 17.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.20.20 17.58	
o-Terphenyl	84-15-1	99	%	70-135	03.20.20 17.58	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW4b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-004	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.23.20 10.20	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.23.20 10.20	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.23.20 10.20	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.23.20 10.20	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.23.20 10.20	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.23.20 10.20	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.23.20 10.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	03.23.20 10.20	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.23.20 10.20	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW5b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-005	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 18.00	Basis:	Wet Weight
Seq Number:	3120531				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.3**	49.9	mg/kg	03.21.20 02.39		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.20.20 18.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.20.20 18.19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.20.20 18.19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.20.20 18.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.20.20 18.19	
o-Terphenyl	84-15-1	99	%	70-135	03.20.20 18.19	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW5b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-005	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.23.20 10.40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.23.20 10.40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.23.20 10.40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.23.20 10.40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.23.20 10.40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.23.20 10.40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.23.20 10.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	03.23.20 10.40	
1,4-Difluorobenzene	540-36-3	96	%	70-130	03.23.20 10.40	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW6b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-006	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 18.00	Basis:	Wet Weight
Seq Number:	3120531				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.7**	5.04	mg/kg	03.21.20 11.26		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.20.20 18.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.20.20 18.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.20.20 18.39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.20.20 18.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.20.20 18.39	
o-Terphenyl	84-15-1	101	%	70-135	03.20.20 18.39	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW6b**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-006	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.23.20 11.00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.23.20 11.00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.23.20 11.00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.23.20 11.00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.23.20 11.00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.23.20 11.00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.23.20 11.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.23.20 11.00	
4-Bromofluorobenzene	460-00-4	99	%	70-130	03.23.20 11.00	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW7**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-007	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 18.00	Basis:	Wet Weight
Seq Number:	3120531				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.04	5.04	mg/kg	03.21.20 11.32	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.20.20 19.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.20.20 19.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.20.20 19.00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.20.20 19.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.20.20 19.00	
o-Terphenyl	84-15-1	105	%	70-135	03.20.20 19.00	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW7**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-007	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.23.20 11.21	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.23.20 11.21	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.23.20 11.21	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.23.20 11.21	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.23.20 11.21	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.23.20 11.21	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.23.20 11.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	03.23.20 11.21	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.23.20 11.21	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW8**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-008	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	03.20.20 18.00	Basis:	Wet Weight
Seq Number:	3120531				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**473**	49.6	mg/kg	03.21.20 03.11		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.20.20 19.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.20.20 19.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.20.20 19.21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.20.20 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.20.20 19.21	
o-Terphenyl	84-15-1	99	%	70-135	03.20.20 19.21	

Certificate of Analytical Results 656110

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**WW8**	Matrix:	Soil	Date Received:	03.19.20 12.00
Lab Sample Id:	656110-008	Date Collected:	03.17.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.22.20 16.00	Basis:	Wet Weight
Seq Number:	3120692				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.23.20 11.41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.23.20 11.41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.23.20 11.41	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.23.20 11.41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.23.20 11.41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.23.20 11.41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.23.20 11.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	03.23.20 11.41	
1,4-Difluorobenzene	540-36-3	102	%	70-130	03.23.20 11.41	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 656110

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120530 Matrix: Solid Date Prep: 03.20.20
MB Sample Id: 7699443-1-BLK LCS Sample Id: 7699443-1-BKS LCSD Sample Id: 7699443-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	258	103	257	103	90-110	0	20	mg/kg	03.20.20 23:05	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120531 Matrix: Solid Date Prep: 03.20.20
MB Sample Id: 7699464-1-BLK LCS Sample Id: 7699464-1-BKS LCSD Sample Id: 7699464-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	266	106	265	106	90-110	0	20	mg/kg	03.21.20 02:01	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120530 Matrix: Soil Date Prep: 03.20.20
Parent Sample Id: 656361-019 MS Sample Id: 656361-019 S MSD Sample Id: 656361-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	194	250	449	102	435	96	90-110	3	20	mg/kg	03.20.20 23:26	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120530 Matrix: Soil Date Prep: 03.20.20
Parent Sample Id: 656361-028 MS Sample Id: 656361-028 S MSD Sample Id: 656361-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	95.9	248	353	104	325	92	90-110	8	20	mg/kg	03.21.20 01:05	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120531 Matrix: Soil Date Prep: 03.20.20
Parent Sample Id: 656251-003 MS Sample Id: 656251-003 S MSD Sample Id: 656251-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	28.3	249	292	106	292	106	90-110	0	20	mg/kg	03.21.20 02:20	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 656110

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120531 Matrix: Soil Date Prep: 03.20.20
Parent Sample Id: 656404-003 MS Sample Id: 656404-003 S MSD Sample Id: 656404-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	47.8	251	303	102	305	102	90-110	1	20	mg/kg	03.21.20 03:49	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3120514 Matrix: Solid Date Prep: 03.20.20
MB Sample Id: 7699386-1-BLK LCS Sample Id: 7699386-1-BKS LCSD Sample Id: 7699386-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	840	84	822	82	70-135	2	20	mg/kg	03.20.20 12:21	
Diesel Range Organics (DRO)	<50.0	1000	864	86	862	86	70-135	0	20	mg/kg	03.20.20 12:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	77		78		77		70-135	%	03.20.20 12:21
o-Terphenyl	84		84		83		70-135	%	03.20.20 12:21

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3120514 Matrix: Solid Date Prep: 03.20.20
MB Sample Id: 7699386-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.20.20 12:00	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3120514 Matrix: Soil Date Prep: 03.20.20
Parent Sample Id: 656204-021 MS Sample Id: 656204-021 S MSD Sample Id: 656204-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	839	84	878	88	70-135	5	20	mg/kg	03.20.20 13:25	
Diesel Range Organics (DRO)	<49.9	997	890	89	953	95	70-135	7	20	mg/kg	03.20.20 13:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		88		70-135	%	03.20.20 13:25
o-Terphenyl	90		96		70-135	%	03.20.20 13:25

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 656110

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3120692 Matrix: Solid Date Prep: 03.22.20

MB Sample Id: 7699580-1-BLK LCS Sample Id: 7699580-1-BKS LCSD Sample Id: 7699580-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0947	95	0.0908	91	70-130	4	35	mg/kg	03.23.20 03:38	
Toluene	<0.00200	0.100	0.0936	94	0.0895	90	70-130	4	35	mg/kg	03.23.20 03:38	
Ethylbenzene	<0.00200	0.100	0.0921	92	0.0885	89	70-130	4	35	mg/kg	03.23.20 03:38	
m,p-Xylenes	<0.00400	0.200	0.183	92	0.176	88	70-130	4	35	mg/kg	03.23.20 03:38	
o-Xylene	<0.00200	0.100	0.0948	95	0.0903	90	70-130	5	35	mg/kg	03.23.20 03:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		98		98		70-130	%	03.23.20 03:38
4-Bromofluorobenzene	92		100		99		70-130	%	03.23.20 03:38

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3120692 Matrix: Soil Date Prep: 03.22.20

Parent Sample Id: 656110-001 MS Sample Id: 656110-001 S MSD Sample Id: 656110-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0568	57	0.0542	55	70-130	5	35	mg/kg	03.23.20 04:18	X
Toluene	<0.00199	0.0994	0.0369	37	0.0342	34	70-130	8	35	mg/kg	03.23.20 04:18	X
Ethylbenzene	<0.00199	0.0994	0.0307	31	0.0257	26	70-130	18	35	mg/kg	03.23.20 04:18	X
m,p-Xylenes	<0.00398	0.199	0.0267	13	0.0259	13	70-130	3	35	mg/kg	03.23.20 04:18	X
o-Xylene	<0.00199	0.0994	0.0347	35	0.0295	30	70-130	16	35	mg/kg	03.23.20 04:18	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		100		70-130	%	03.23.20 04:18
4-Bromofluorobenzene	107		102		70-130	%	03.23.20 04:18

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Chain of Custody

Work Order No: 605110

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Grizzley
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM	City, State ZIP:	
Phone:	432-466-4450	Email:	joel@etechenv.com, lance@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Enron Federal Battery	Turn Around	
Project Number:	11645	Routine:	☒
Project Location	Eddy Co, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) ~~No~~	
Temperature (°C):	0.7/0.4	Thermometer ID	D9	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.3	
Sample Custody Seals:	Yes No ~~N/A~~	Total Containers:	8	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chlorides	BTEX	TPH	Sample Comments
WW1b	Soil	3.17.20		2'	Ice	X	X	X	
WW2b	Soil	3.17.20		2'	Ice	X	X	X	
WW3b	Soil	3.17.20		2'	Ice	X	X	X	
WW4b	Soil	3.17.20		2'	Ice	X	X	X	
WW5b	Soil	3.17.20		2'	Ice	X	X	X	
WW6b	Soil	3.17.20		2'	Ice	X	X	X	
WW7	Soil	3.17.20		2'	Ice	X	X	X	
WW8	Soil	3.17.20		2'	Ice	X	X	X	

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Teresa Hernandez	3/17/20 16:38	2 Teresa Hernandez		3/19/20 Tee
3				4		
5						

Revised Date101419 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 03.19.2020 12.00.00 PM

Work Order #: 656110

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 03.19.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 03.19.2020
Jessica Kramer

Certificate of Analysis Summary 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy Co, NM

Date Received in Lab: Wed Mar-18-20 11:25 am
Report Date: 24-MAR-20
Project Manager: Jessica Kramer

Analysis Requested		655947-001		655947-002		655947-003		655947-004		655947-005		655947-006	
	Field Id:	FS19 @ 3'		FS20 @ 3'		FS21 @ 3'		FS22 @ 3'		FS23 @ 3'		FS24 @ 3'	
	Depth:	3- ft		3- ft		3- ft		3- ft		3- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 09:00		Mar-21-20 09:00		Mar-21-20 09:00		Mar-21-20 09:00		Mar-21-20 09:00		Mar-21-20 09:00	
	Analyzed:	Mar-22-20 01:42		Mar-22-20 02:02		Mar-22-20 02:23		Mar-22-20 02:43		Mar-22-20 03:04		Mar-22-20 03:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.333	0.333	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.333	0.333	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.333	0.333	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.667	0.667	<0.00400	0.00400	<0.00398	0.00398	<0.00402	0.00402
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.333	0.333	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.333	0.333	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.333	0.333	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201
Chloride by EPA 300	*Extracted:*	Mar-18-20 14:05		Mar-18-20 14:05		Mar-18-20 14:05		Mar-18-20 14:05		Mar-18-20 14:20		Mar-18-20 14:20	
	Analyzed:	Mar-18-20 20:19		Mar-18-20 20:25		Mar-18-20 20:30		Mar-18-20 20:35		Mar-18-20 14:56		Mar-18-20 15:15	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		991	49.5	940	50.4	445	50.0	524	50.0	782	49.6	599	49.9
TPH By SW8015 Mod	*Extracted:*	Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00	
	Analyzed:	Mar-18-20 15:38		Mar-18-20 16:34		Mar-18-20 16:53		Mar-18-20 17:11		Mar-18-20 17:30		Mar-18-20 17:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy Co, NM

Date Received in Lab: Wed Mar-18-20 11:25 am
Report Date: 24-MAR-20
Project Manager: Jessica Kramer

Analysis Requested		655947-007		655947-008		655947-009		655947-010		655947-011		655947-012	
	Field Id:	FS25 @ 3'		FS26 @ 3'		FS27 @ 3'		FS28 @ 2'		FS29 @ 2'		FS30 @2'	
	Depth:	3- ft		3- ft		3- ft		3- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 09:00		Mar-21-20 09:00		Mar-21-20 09:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-22-20 03:45		Mar-22-20 04:05		Mar-22-20 04:25		Mar-21-20 20:52		Mar-21-20 21:12		Mar-21-20 21:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399	<0.00398	0.00398	<0.00402	0.00402	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201
Chloride by EPA 300	*Extracted:*	Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20	
	Analyzed:	Mar-18-20 15:22		Mar-18-20 15:28		Mar-18-20 15:34		Mar-18-20 15:53		Mar-18-20 16:00		Mar-18-20 16:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		476	49.7	1040	49.5	412	50.0	275	49.8	295	49.8	278	50.2
TPH By SW8015 Mod	*Extracted:*	Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00	
	Analyzed:	Mar-18-20 18:07		Mar-18-20 18:25		Mar-18-20 18:44		Mar-18-20 19:02		Mar-18-20 19:39		Mar-18-20 19:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy Co, NM

Date Received in Lab: Wed Mar-18-20 11:25 am
Report Date: 24-MAR-20
Project Manager: Jessica Kramer

Analysis Requested		655947-013		655947-014		655947-015		655947-016		655947-017		655947-018	
	Field Id:	FS31 @2'		FS32 @ 2'		FS33 @ 2'		SW1b		SW2b		SW3	
	Depth:	2- ft		2- ft		2- ft		2- ft		2- ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00		Mar-21-20 14:00	
	Analyzed:	Mar-21-20 21:52		Mar-21-20 22:12		Mar-21-20 22:32		Mar-21-20 22:52		Mar-21-20 23:13		Mar-21-20 23:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00402	0.00402	<0.00401	0.00401	<0.00398	0.00398	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	*Extracted:*	Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20	
	Analyzed:	Mar-18-20 16:12		Mar-18-20 16:19		Mar-18-20 16:25		Mar-18-20 16:44		Mar-18-20 16:51		Mar-18-20 17:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		383	50.5	345	50.0	334	50.3	433	49.6	525	50.4	378	49.7
TPH By SW8015 Mod	*Extracted:*	Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00		Mar-18-20 15:00	
	Analyzed:	Mar-18-20 20:16		Mar-18-20 20:35		Mar-18-20 20:53		Mar-18-20 21:12		Mar-18-20 21:31		Mar-18-20 21:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0

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Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy Co, NM

Date Received in Lab: Wed Mar-18-20 11:25 am
Report Date: 24-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	655947-019		655947-020		655947-021		655947-022					
	Field Id:	SW4		SW5		EW5b		EW6					
	Depth:	2- ft		2- ft		2- ft		2- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00		Mar-16-20 00:00					
BTEX by EPA 8021B	***Extracted:***	Mar-21-20 14:00		Mar-23-20 08:00		Mar-23-20 08:00		Mar-23-20 08:00					
	Analyzed:	Mar-21-20 23:53		Mar-23-20 11:29		Mar-23-20 11:49		Mar-23-20 12:09					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399				
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20		Mar-18-20 14:20					
	Analyzed:	Mar-18-20 17:16		Mar-18-20 17:22		Mar-18-20 17:29		Mar-18-20 17:35					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		405	49.5	421	50.3	446	49.6	379	50.0				
TPH By SW8015 Mod	***Extracted:***	Mar-18-20 15:00		Mar-18-20 15:00		Mar-20-20 11:00		Mar-20-20 11:00					
	Analyzed:	Mar-18-20 22:08		Mar-18-20 22:26		Mar-20-20 20:24		Mar-20-20 20:44					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0				
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0				
Total TPH		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0				

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Version: 1.%

Jessica Kramer
Project Manager

Analytical Report 655947

for

Etech Environmental & Safety Solution, Inc

Project Manager: Joel Lowry

Enron Federal Battery

11645

24-MAR-20

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

24-MAR-20

Project Manager: **Joel Lowry**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: XENCO Report No(s): **655947**
Enron Federal Battery
Project Address: Eddy Co, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 655947. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 655947 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
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Sample Cross Reference 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FS19 @ 3'	S	03-16-20 00:00	3 ft	655947-001
FS20 @ 3'	S	03-16-20 00:00	3 ft	655947-002
FS21 @ 3'	S	03-16-20 00:00	3 ft	655947-003
FS22 @ 3'	S	03-16-20 00:00	3 ft	655947-004
FS23 @ 3'	S	03-16-20 00:00	3 ft	655947-005
FS24 @ 3'	S	03-16-20 00:00	3 ft	655947-006
FS25 @ 3'	S	03-16-20 00:00	3 ft	655947-007
FS26 @ 3'	S	03-16-20 00:00	3 ft	655947-008
FS27 @ 3'	S	03-16-20 00:00	3 ft	655947-009
FS28 @ 2'	S	03-16-20 00:00	3 ft	655947-010
FS29 @ 2'	S	03-16-20 00:00	2 ft	655947-011
FS30 @2'	S	03-16-20 00:00	2 ft	655947-012
FS31 @2'	S	03-16-20 00:00	2 ft	655947-013
FS32 @ 2'	S	03-16-20 00:00	2 ft	655947-014
FS33 @ 2'	S	03-16-20 00:00	2 ft	655947-015
SW1b	S	03-16-20 00:00	2 ft	655947-016
SW2b	S	03-16-20 00:00	2 ft	655947-017
SW3	S	03-16-20 00:00	2 ft	655947-018
SW4	S	03-16-20 00:00	2 ft	655947-019
SW5	S	03-16-20 00:00	2 ft	655947-020
EW5b	S	03-16-20 00:00	2 ft	655947-021
EW6	S	03-16-20 00:00	2 ft	655947-022

CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Enron Federal Battery

Project ID: *11645*
Work Order Number(s): *655947*

Report Date: *24-MAR-20*
Date Received: *03/18/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120574 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120609 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Surrogate 4-Bromofluorobenzene recovered below QC limits Data confirmed by re-analysis. Samples affected are: 7699492-1-BLK,655947-012.

Batch: LBA-3120696 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS19 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-001	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.05	Basis:	Wet Weight
Seq Number:	3120193				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**991**	49.5	mg/kg	03.18.20 20.19		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 15.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 15.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 15.38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 15.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.18.20 15.38	
o-Terphenyl	84-15-1	96	%	70-135	03.18.20 15.38	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS19 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-001	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.22.20 01.42	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.22.20 01.42	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.22.20 01.42	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.22.20 01.42	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.22.20 01.42	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.22.20 01.42	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.22.20 01.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	03.22.20 01.42	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.22.20 01.42	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS20 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-002	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.05	Basis:	Wet Weight
Seq Number:	3120193				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**940**	50.4	mg/kg	03.18.20 20.25		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 16.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 16.34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 16.34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 16.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.18.20 16.34	
o-Terphenyl	84-15-1	94	%	70-135	03.18.20 16.34	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS20 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-002	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.22.20 02.02	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.22.20 02.02	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.22.20 02.02	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.22.20 02.02	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.22.20 02.02	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.22.20 02.02	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.22.20 02.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	03.22.20 02.02	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.22.20 02.02	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS21 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-003	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.05	Basis:	Wet Weight
Seq Number:	3120193				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**445**	50.0	mg/kg	03.18.20 20.30		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 16.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 16.53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 16.53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 16.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	03.18.20 16.53	
o-Terphenyl	84-15-1	95	%	70-135	03.18.20 16.53	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS21 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-003	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.333	0.333	mg/kg	03.22.20 02.23	U	1
Toluene	108-88-3	<0.333	0.333	mg/kg	03.22.20 02.23	U	1
Ethylbenzene	100-41-4	<0.333	0.333	mg/kg	03.22.20 02.23	U	1
m,p-Xylenes	179601-23-1	<0.667	0.667	mg/kg	03.22.20 02.23	U	1
o-Xylene	95-47-6	<0.333	0.333	mg/kg	03.22.20 02.23	U	1
Total Xylenes	1330-20-7	<0.333	0.333	mg/kg	03.22.20 02.23	U	1
Total BTEX		<0.333	0.333	mg/kg	03.22.20 02.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.22.20 02.23	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.22.20 02.23	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS22 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-004	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.05	Basis:	Wet Weight
Seq Number:	3120193				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**524**	50.0	mg/kg	03.18.20 20.35		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.18.20 17.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.18.20 17.11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.18.20 17.11	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.18.20 17.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.18.20 17.11	
o-Terphenyl	84-15-1	93	%	70-135	03.18.20 17.11	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS22 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-004	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.22.20 02.43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.22.20 02.43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.22.20 02.43	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.22.20 02.43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.22.20 02.43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.22.20 02.43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.22.20 02.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.22.20 02.43	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.22.20 02.43	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS23 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-005	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**782**	49.6	mg/kg	03.18.20 14.56		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 17.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 17.30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 17.30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 17.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.18.20 17.30	
o-Terphenyl	84-15-1	93	%	70-135	03.18.20 17.30	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS23 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-005	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.22.20 03.04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.22.20 03.04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.22.20 03.04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.22.20 03.04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.22.20 03.04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.22.20 03.04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.22.20 03.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.22.20 03.04	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.22.20 03.04	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS24 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-006	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**599**	49.9	mg/kg	03.18.20 15.15		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 17.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 17.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 17.48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 17.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	03.18.20 17.48	
o-Terphenyl	84-15-1	91	%	70-135	03.18.20 17.48	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS24 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-006	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.22.20 03.24	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.22.20 03.24	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.22.20 03.24	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.22.20 03.24	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.22.20 03.24	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.22.20 03.24	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.22.20 03.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	03.22.20 03.24	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.22.20 03.24	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS25 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-007	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**476**	49.7	mg/kg	03.18.20 15.22		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 18.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 18.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 18.07	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 18.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	03.18.20 18.07	
o-Terphenyl	84-15-1	91	%	70-135	03.18.20 18.07	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS25 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-007	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.22.20 03.45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.22.20 03.45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.22.20 03.45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.22.20 03.45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.22.20 03.45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.22.20 03.45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.22.20 03.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	03.22.20 03.45	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.22.20 03.45	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS26 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-008	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1040**	49.5	mg/kg	03.18.20 15.28		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 18.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 18.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 18.25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 18.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.18.20 18.25	
o-Terphenyl	84-15-1	94	%	70-135	03.18.20 18.25	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS26 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-008	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.22.20 04.05	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.22.20 04.05	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.22.20 04.05	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.22.20 04.05	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.22.20 04.05	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.22.20 04.05	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.22.20 04.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.22.20 04.05	
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.22.20 04.05	

Certificate of Analytical Results 655947

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Enron Federal Battery

Sample Id:	**FS27 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-009	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**412**	50.0	mg/kg	03.18.20 15.34		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 18.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 18.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 18.44	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 18.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	03.18.20 18.44	
o-Terphenyl	84-15-1	91	%	70-135	03.18.20 18.44	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS27 @ 3'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-009	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 09.00	Basis:	Wet Weight
Seq Number:	3120574				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.22.20 04.25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.22.20 04.25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.22.20 04.25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.22.20 04.25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.22.20 04.25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.22.20 04.25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.22.20 04.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.22.20 04.25	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.22.20 04.25	

Certificate of Analytical Results 655947

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Enron Federal Battery

Sample Id:	**FS28 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-010	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**275**	49.8	mg/kg	03.18.20 15.53		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 19.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 19.02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 19.02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 19.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.18.20 19.02	
o-Terphenyl	84-15-1	94	%	70-135	03.18.20 19.02	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS28 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-010	Date Collected:	03.16.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.21.20 20.52	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.21.20 20.52	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.21.20 20.52	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.21.20 20.52	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.21.20 20.52	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.21.20 20.52	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.21.20 20.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.21.20 20.52	
4-Bromofluorobenzene	460-00-4	74	%	70-130	03.21.20 20.52	

Certificate of Analytical Results 655947

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Enron Federal Battery

Sample Id:	**FS29 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-011	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**295**	49.8	mg/kg	03.18.20 16.00		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 19.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 19.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 19.39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 19.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.18.20 19.39	
o-Terphenyl	84-15-1	93	%	70-135	03.18.20 19.39	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS29 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-011	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.21.20 21.12	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.21.20 21.12	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.21.20 21.12	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.21.20 21.12	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.21.20 21.12	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.21.20 21.12	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.21.20 21.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	82	%	70-130	03.21.20 21.12	
1,4-Difluorobenzene	540-36-3	113	%	70-130	03.21.20 21.12	

Certificate of Analytical Results 655947

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Enron Federal Battery

Sample Id:	**FS30 @2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-012	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**278**	50.2	mg/kg	03.18.20 16.06		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 19.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 19.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 19.58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 19.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.18.20 19.58	
o-Terphenyl	84-15-1	94	%	70-135	03.18.20 19.58	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS30 @2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-012	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.21.20 21.32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.21.20 21.32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.21.20 21.32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.21.20 21.32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.21.20 21.32	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.21.20 21.32	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.21.20 21.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	03.21.20 21.32	
4-Bromofluorobenzene	460-00-4	68	%	70-130	03.21.20 21.32	**

Certificate of Analytical Results 655947

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Enron Federal Battery

Sample Id:	**FS31 @2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-013	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**383**	50.5	mg/kg	03.18.20 16.12		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 20.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 20.16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 20.16	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 20.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.18.20 20.16	
o-Terphenyl	84-15-1	93	%	70-135	03.18.20 20.16	

Certificate of Analytical Results 655947

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Enron Federal Battery

Sample Id:	**FS31 @2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-013	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.21.20 21.52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.21.20 21.52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.21.20 21.52	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.21.20 21.52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.21.20 21.52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.21.20 21.52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.21.20 21.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.21.20 21.52	
4-Bromofluorobenzene	460-00-4	80	%	70-130	03.21.20 21.52	

Certificate of Analytical Results 655947

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Enron Federal Battery

Sample Id:	**FS32 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-014	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**345**	50.0	mg/kg	03.18.20 16.19		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 20.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 20.35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 20.35	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 20.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.18.20 20.35	
o-Terphenyl	84-15-1	94	%	70-135	03.18.20 20.35	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS32 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-014	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.21.20 22.12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.21.20 22.12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.21.20 22.12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.21.20 22.12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.21.20 22.12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.21.20 22.12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.21.20 22.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	82	%	70-130	03.21.20 22.12	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.21.20 22.12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS33 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-015	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**334**	50.3	mg/kg	03.18.20 16.25		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 20.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 20.53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 20.53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 20.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	03.18.20 20.53	
o-Terphenyl	84-15-1	103	%	70-135	03.18.20 20.53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS33 @ 2'**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-015	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.21.20 22.32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.21.20 22.32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.21.20 22.32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.21.20 22.32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.21.20 22.32	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.21.20 22.32	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.21.20 22.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.21.20 22.32	
4-Bromofluorobenzene	460-00-4	72	%	70-130	03.21.20 22.32	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW1b**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-016	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**433**	49.6	mg/kg	03.18.20 16.44		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 21.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 21.12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 21.12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 21.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.18.20 21.12	
o-Terphenyl	84-15-1	92	%	70-135	03.18.20 21.12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW1b**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-016	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.21.20 22.52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.21.20 22.52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.21.20 22.52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.21.20 22.52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.21.20 22.52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.21.20 22.52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.21.20 22.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.21.20 22.52	
4-Bromofluorobenzene	460-00-4	82	%	70-130	03.21.20 22.52	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW2b**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-017	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**525**	50.4	mg/kg	03.18.20 16.51		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 21.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 21.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 21.31	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 21.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	03.18.20 21.31	
o-Terphenyl	84-15-1	95	%	70-135	03.18.20 21.31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW2b**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-017	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.21.20 23.13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.21.20 23.13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.21.20 23.13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.21.20 23.13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.21.20 23.13	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.21.20 23.13	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.21.20 23.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	83	%	70-130	03.21.20 23.13	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.21.20 23.13	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW3**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-018	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**378**	49.7	mg/kg	03.18.20 17.10		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.18.20 21.49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.18.20 21.49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.18.20 21.49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.18.20 21.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.18.20 21.49	
o-Terphenyl	84-15-1	93	%	70-135	03.18.20 21.49	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW3**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-018	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.21.20 23.33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.21.20 23.33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.21.20 23.33	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.21.20 23.33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.21.20 23.33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.21.20 23.33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.21.20 23.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.21.20 23.33	
4-Bromofluorobenzene	460-00-4	74	%	70-130	03.21.20 23.33	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW4**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-019	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**405**	49.5	mg/kg	03.18.20 17.16		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 22.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 22.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 22.08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 22.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.18.20 22.08	
o-Terphenyl	84-15-1	92	%	70-135	03.18.20 22.08	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW4**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-019	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.21.20 14.00	Basis:	Wet Weight
Seq Number:	3120609				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.21.20 23.53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.21.20 23.53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.21.20 23.53	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.21.20 23.53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.21.20 23.53	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.21.20 23.53	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.21.20 23.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.21.20 23.53	
4-Bromofluorobenzene	460-00-4	76	%	70-130	03.21.20 23.53	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW5**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-020	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**421**	50.3	mg/kg	03.18.20 17.22		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.18.20 15.00	Basis:	Wet Weight
Seq Number:	3120214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.18.20 22.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.18.20 22.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.18.20 22.26	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.18.20 22.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	03.18.20 22.26	
o-Terphenyl	84-15-1	91	%	70-135	03.18.20 22.26	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SW5**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-020	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.23.20 08.00	Basis:	Wet Weight
Seq Number:	3120696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.23.20 11.29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.23.20 11.29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.23.20 11.29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.23.20 11.29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.23.20 11.29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.23.20 11.29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.23.20 11.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	03.23.20 11.29	
1,4-Difluorobenzene	540-36-3	120	%	70-130	03.23.20 11.29	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW5b**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-021	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**446**	49.6	mg/kg	03.18.20 17.29		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.20.20 20.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.20.20 20.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.20.20 20.24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.20.20 20.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.20.20 20.24	
o-Terphenyl	84-15-1	97	%	70-135	03.20.20 20.24	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW5b**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-021	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.23.20 08.00	Basis:	Wet Weight
Seq Number:	3120696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.23.20 11.49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.23.20 11.49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.23.20 11.49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.23.20 11.49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.23.20 11.49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.23.20 11.49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.23.20 11.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	79	%	70-130	03.23.20 11.49	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.23.20 11.49	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW6**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-022	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.18.20 14.20	Basis:	Wet Weight
Seq Number:	3120181				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**379**	50.0	mg/kg	03.18.20 17.35		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.20.20 11.00	Basis:	Wet Weight
Seq Number:	3120514				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.20.20 20.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.20.20 20.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.20.20 20.44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.20.20 20.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	03.20.20 20.44	
o-Terphenyl	84-15-1	95	%	70-135	03.20.20 20.44	

Certificate of Analytical Results 655947

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW6**	Matrix:	Soil	Date Received:	03.18.20 11.25
Lab Sample Id:	655947-022	Date Collected:	03.16.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.23.20 08.00	Basis:	Wet Weight
Seq Number:	3120696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.23.20 12.09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.23.20 12.09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.23.20 12.09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.23.20 12.09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.23.20 12.09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.23.20 12.09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.23.20 12.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.23.20 12.09	
1,4-Difluorobenzene	540-36-3	121	%	70-130	03.23.20 12.09	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 655947

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120193 — Matrix: Solid — Date Prep: 03.18.20
MB Sample Id: 7699196-1-BLK — LCS Sample Id: 7699196-1-BKS — LCSD Sample Id: 7699196-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	251	100	90-110	0	20	mg/kg	03.18.20 18:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120181 — Matrix: Solid — Date Prep: 03.18.20
MB Sample Id: 7699198-1-BLK — LCS Sample Id: 7699198-1-BKS — LCSD Sample Id: 7699198-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	258	103	259	104	90-110	0	20	mg/kg	03.18.20 14:44	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120193 — Matrix: Soil — Date Prep: 03.18.20
Parent Sample Id: 656042-004 — MS Sample Id: 656042-004 S — MSD Sample Id: 656042-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4.73	252	255	99	254	99	90-110	0	20	mg/kg	03.18.20 18:18	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120193 — Matrix: Soil — Date Prep: 03.18.20
Parent Sample Id: 656042-014 — MS Sample Id: 656042-014 S — MSD Sample Id: 656042-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	66.9	251	315	99	315	99	90-110	0	20	mg/kg	03.18.20 19:32	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120181 — Matrix: Soil — Date Prep: 03.18.20
Parent Sample Id: 655947-005 — MS Sample Id: 655947-005 S — MSD Sample Id: 655947-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	782	2480	3360	104	3330	103	90-110	1	20	mg/kg	03.18.20 15:03	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 655947

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3120181 Matrix: Soil Date Prep: 03.18.20
Parent Sample Id: 655947-015 MS Sample Id: 655947-015 S MSD Sample Id: 655947-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	334	2520	3000	106	2990	105	90-110	0	20	mg/kg	03.18.20 16:32	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3120214 Matrix: Solid Date Prep: 03.18.20
MB Sample Id: 7699207-1-BLK LCS Sample Id: 7699207-1-BKS LCSD Sample Id: 7699207-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	925	93	938	94	70-135	1	20	mg/kg	03.18.20 15:01	
Diesel Range Organics (DRO)	<50.0	1000	1000	100	1010	101	70-135	1	20	mg/kg	03.18.20 15:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		99		104		70-135	%	03.18.20 15:01
o-Terphenyl	89		96		93		70-135	%	03.18.20 15:01

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3120514 Matrix: Solid Date Prep: 03.20.20
MB Sample Id: 7699386-1-BLK LCS Sample Id: 7699386-1-BKS LCSD Sample Id: 7699386-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	840	84	822	82	70-135	2	20	mg/kg	03.20.20 12:21	
Diesel Range Organics (DRO)	<50.0	1000	864	86	862	86	70-135	0	20	mg/kg	03.20.20 12:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	77		78		77		70-135	%	03.20.20 12:21
o-Terphenyl	84		84		83		70-135	%	03.20.20 12:21

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3120214 Matrix: Solid Date Prep: 03.18.20
MB Sample Id: 7699207-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.18.20 14:42	

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 655947

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120514 — Matrix: Solid — Date Prep: 03.20.20
MB Sample Id: 7699386-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.20.20 12:00	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120214 — Matrix: Soil — Date Prep: 03.18.20
Parent Sample Id: 655947-001 — MS Sample Id: 655947-001 S — MSD Sample Id: 655947-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	905	91	928	93	70-135	3	20	mg/kg	03.18.20 15:57	
Diesel Range Organics (DRO)	<49.9	997	965	97	998	100	70-135	3	20	mg/kg	03.18.20 15:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		109		70-135	%	03.18.20 15:57
o-Terphenyl	103		102		70-135	%	03.18.20 15:57

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120514 — Matrix: Soil — Date Prep: 03.20.20
Parent Sample Id: 656204-021 — MS Sample Id: 656204-021 S — MSD Sample Id: 656204-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	839	84	878	88	70-135	5	20	mg/kg	03.20.20 13:25	
Diesel Range Organics (DRO)	<49.9	997	890	89	953	95	70-135	7	20	mg/kg	03.20.20 13:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		88		70-135	%	03.20.20 13:25
o-Terphenyl	90		96		70-135	%	03.20.20 13:25

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 655947

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120574 — Matrix: Solid — Date Prep: 03.21.20
MB Sample Id: 7699497-1-BLK — LCS Sample Id: 7699497-1-BKS — LCSD Sample Id: 7699497-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0910	91	0.0909	91	70-130	0	35	mg/kg	03.21.20 18:33	
Toluene	<0.00200	0.100	0.0890	89	0.0908	91	70-130	2	35	mg/kg	03.21.20 18:33	
Ethylbenzene	<0.00200	0.100	0.0878	88	0.0925	93	70-130	5	35	mg/kg	03.21.20 18:33	
m,p-Xylenes	<0.00400	0.200	0.174	87	0.184	92	70-130	6	35	mg/kg	03.21.20 18:33	
o-Xylene	<0.00200	0.100	0.0900	90	0.0923	92	70-130	3	35	mg/kg	03.21.20 18:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		97		98		70-130	%	03.21.20 18:33
4-Bromofluorobenzene	96		99		97		70-130	%	03.21.20 18:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120609 — Matrix: Solid — Date Prep: 03.21.20
MB Sample Id: 7699492-1-BLK — LCS Sample Id: 7699492-1-BKS — LCSD Sample Id: 7699492-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.105	105	0.101	101	70-130	4	35	mg/kg	03.21.20 18:32	
Toluene	<0.000456	0.100	0.107	107	0.103	103	70-130	4	35	mg/kg	03.21.20 18:32	
Ethylbenzene	<0.000565	0.100	0.107	107	0.101	101	70-130	6	35	mg/kg	03.21.20 18:32	
m,p-Xylenes	<0.00101	0.200	0.209	105	0.199	100	70-130	5	35	mg/kg	03.21.20 18:32	
o-Xylene	<0.000344	0.100	0.106	106	0.101	101	70-130	5	35	mg/kg	03.21.20 18:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		111		110		70-130	%	03.21.20 18:32
4-Bromofluorobenzene	69	**	90		89		70-130	%	03.21.20 18:32

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120696 — Matrix: Solid — Date Prep: 03.23.20
MB Sample Id: 7699584-1-BLK — LCS Sample Id: 7699584-1-BKS — LCSD Sample Id: 7699584-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.101	101	0.0886	89	70-130	13	35	mg/kg	03.23.20 15:31	
Toluene	<0.000456	0.100	0.102	102	0.0913	91	70-130	11	35	mg/kg	03.23.20 15:31	
Ethylbenzene	<0.000565	0.100	0.0993	99	0.0895	90	70-130	10	35	mg/kg	03.23.20 15:31	
m,p-Xylenes	<0.00101	0.200	0.193	97	0.176	88	70-130	9	35	mg/kg	03.23.20 15:31	
o-Xylene	<0.000344	0.100	0.102	102	0.0893	89	70-130	13	35	mg/kg	03.23.20 15:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		114		113		70-130	%	03.23.20 15:31
4-Bromofluorobenzene	76		91		84		70-130	%	03.23.20 15:31

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 655947

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120574 — Matrix: Soil — Date Prep: 03.21.20
Parent Sample Id: 655881-063 — MS Sample Id: 655881-063 S — MSD Sample Id: 655881-063 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0906	91	0.0672	68	70-130	30	35	mg/kg	03.21.20 19:13	X
Toluene	<0.00200	0.0998	0.0768	77	0.0547	55	70-130	34	35	mg/kg	03.21.20 19:13	X
Ethylbenzene	<0.00200	0.0998	0.0756	76	0.0525	53	70-130	36	35	mg/kg	03.21.20 19:13	XF
m,p-Xylenes	<0.00399	0.200	0.147	74	0.102	52	70-130	36	35	mg/kg	03.21.20 19:13	XF
o-Xylene	<0.00200	0.0998	0.0801	80	0.0597	60	70-130	29	35	mg/kg	03.21.20 19:13	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		95		70-130	%	03.21.20 19:13
4-Bromofluorobenzene	101		99		70-130	%	03.21.20 19:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120609 — Matrix: Soil — Date Prep: 03.21.20
Parent Sample Id: 655947-010 — MS Sample Id: 655947-010 S — MSD Sample Id: 655947-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.000427	0.0996	0.0990	99	0.0976	97	70-130	1	35	mg/kg	03.21.20 19:13	
Toluene	0.000885	0.0996	0.0977	97	0.0967	96	70-130	1	35	mg/kg	03.21.20 19:13	
Ethylbenzene	<0.000563	0.0996	0.0958	96	0.0946	95	70-130	1	35	mg/kg	03.21.20 19:13	
m,p-Xylenes	<0.00101	0.199	0.188	94	0.186	93	70-130	1	35	mg/kg	03.21.20 19:13	
o-Xylene	0.000587	0.0996	0.0950	95	0.0936	93	70-130	1	35	mg/kg	03.21.20 19:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		113		70-130	%	03.21.20 19:13
4-Bromofluorobenzene	92		91		70-130	%	03.21.20 19:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120696 — Matrix: Soil — Date Prep: 03.23.20
Parent Sample Id: 655947-020 — MS Sample Id: 655947-020 S — MSD Sample Id: 655947-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.000519	0.0992	0.0851	85	0.0790	79	70-130	7	35	mg/kg	03.23.20 09:50	
Toluene	0.000639	0.0992	0.0859	86	0.0803	80	70-130	7	35	mg/kg	03.23.20 09:50	
Ethylbenzene	0.000908	0.0992	0.0819	82	0.0731	73	70-130	11	35	mg/kg	03.23.20 09:50	
m,p-Xylenes	<0.00101	0.198	0.160	81	0.144	73	70-130	11	35	mg/kg	03.23.20 09:50	
o-Xylene	0.000349	0.0992	0.0802	80	0.0743	75	70-130	8	35	mg/kg	03.23.20 09:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		119		70-130	%	03.23.20 09:50
4-Bromofluorobenzene	89		92		70-130	%	03.23.20 09:50

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

Work Order No: 605947

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Grizzly
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM	City, State ZIP:	
Phone:	432-466-4450	Email:	joel@etechenv.com, lance@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Enron Federal Battery	Turn Around	
Project Number:	11645	Routine:	☒
Project Location	Eddy Co, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temperature (°C):	0.9°	Thermometer ID	IR4
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.3
Sample Custody Seals:	Yes No (N/A)	Total Containers:	22

Temp Blank: Yes (No) Wet Ice: (Yes) No

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	1	2	3	4	5	6	7	8	9	10	11	12
						Chlorides	BTEX	TPH									
FS19@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS20@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS21@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS22@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS23@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS24@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS25@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS26@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS27@3'	Soil	3.16.20		3'	Ice	X	X	X									
FS28@3'	Soil	3.16.20		3'	Ice	X	X	X									

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Stephanie Tejos	3/16/20 4:55	2 Stephanie Tejos		3/16/20 5:13
3				4	1175	
5				6		

Chain of Custody

Work Order No: 655947

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Grizzley
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM	City, State ZIP:	
Phone:	432-466-4450	Email:	joel@etechenv.com, lance@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Enron Federal Battery	Turn Around	
Project Number:	11645	Routine:	☒
Project Location	Eddy Co, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	0.9	Thermometer ID			
Received Intact:	(Yes) No				
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.3		
Sample Custody Seals:	Yes No N/A	Total Containers:	22		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chlorides	BTEX	TPH
FS29@2'	Soil	3.16.20		2'	Ice	X	X	X
FS30@2'	Soil	3.16.20		2'	Ice	X	X	X
FS31@2'	Soil	3.16.20		2'	Ice	X	X	X
FS32@2'	Soil	3.16.20		2'	Ice	X	X	X
FS33@2'	Soil	3.16.20		2'	Ice	X	X	X
SW1	Soil	3.16.20		2'	Ice	X	X	X
SW2	Soil	3.16.20		2'	Ice	X	X	X
SW3	Soil	3.16.20		2'	Ice	X	X	X
SW4	Soil	3.16.20		2'	Ice	X	X	X
SW5	Soil	3.16.20		2'	Ice	X	X	X

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Stephanie Tejas	3/16/20 4:55	Stephanie Tejas		3/16/20 5:18
3				4		
5				6		

Revised Date 101419 Rev. 2019.1

Chain of Custody

Work Order No: 655947

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Grizzly
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM	City, State ZIP:	
Phone:	432-466-4450	Email:	joel@etechenv.com, lance@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Enron Federal / Battery	Turn Around	
Project Number:	11645	Routine:	☒
Project Location	Eddy Co, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temperature (°C):	0.9	Temp Blank: Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	29
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.3
Sample Custody Seals:	Yes No N/A	Total Containers:	22

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chlorides	BTEX	TPH	Sample Comments
EW5D	Soil	3.16.20		2'	Fa	X	X	X	
EW6	Soil	3/16/20		2'	Ice	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Stephanie Teel	3/16/20 4:55	2 Stephanie Teel		3/16/20 5:13
3			4		
5			6		

Revised Date 101419 Rev. 2019.1


ORIGIN ID:HOBA
MAIL SERVICES ETC, LLC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US
ACTWGT: 33.00 LB MAN
CAD: 0909328/CAFE3211
DIMS: 24x15x15 IN
BILL RECIPIENT
TO XENCO LABORATORIES HOLD FOR PICK UP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH
MIDLAND TX 79711
(432) 563-1800
INV:
PO:
REF:
DEPT:
FedEx
Express
TRK# 0201 4705 2523 1709
WED - 18 MAR HOLD
PRIORITY OVERNIGHT
41 MAFA
HLD
MAFA
TX-US LBB

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 03.18.2020 11.25.00 AM

Work Order #: 655947

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.9
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 03.18.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 03.19.2020
Jessica Kramer

Certificate of Analysis Summary 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy Co,NM

Date Received in Lab: Fri Mar-13-20 11:00 am
Report Date: 20-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	655563-001		655563-002		655563-003		655563-004		655563-005		655563-006	
	Field Id:	FS13 @3'		FS14 @3'		FS15 @4'		FS16 @3'		FS17 @3'		FS18 @3'	
	Depth:	3- ft		3- ft		4- ft		3- ft		3- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-12-20 00:00		Mar-12-20 00:00		Mar-12-20 00:00		Mar-12-20 00:00		Mar-12-20 00:00		Mar-12-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00	
	Analyzed:	Mar-19-20 00:35		Mar-19-20 00:55		Mar-19-20 01:15		Mar-19-20 01:36		Mar-19-20 01:56		Mar-19-20 02:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00400	0.00400	<0.00397	0.00397	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35	
	Analyzed:	Mar-15-20 16:37		Mar-15-20 16:44		Mar-15-20 16:50		Mar-15-20 16:56		Mar-15-20 17:03		Mar-15-20 17:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		194	50.1	309	49.7	201	49.9	72.1	50.4	394	49.8	447	25.0
TPH By SW8015 Mod	***Extracted:***	Mar-14-20 13:00		Mar-14-20 13:00		Mar-14-20 13:00		Mar-14-20 13:00		Mar-14-20 13:00		Mar-14-20 13:00	
	Analyzed:	Mar-14-20 19:22		Mar-14-20 20:18		Mar-14-20 20:37		Mar-14-20 20:56		Mar-14-20 21:15		Mar-14-20 21:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Version: 1.%

Jessica Kramer
Project Manager

Certificate of Analysis Summary 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy Co,NM

Date Received in Lab: Fri Mar-13-20 11:00 am
Report Date: 20-MAR-20
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	655563-007					
	Field Id:	FS19 @3'					
	Depth:	3- ft					
	Matrix:	SOIL					
	Sampled:	Mar-12-20 00:00					
BTEX by EPA 8021B	***Extracted:***	Mar-18-20 16:00					
	Analyzed:	Mar-19-20 02:37					
	Units/RL:	mg/kg	RL				
Benzene		<0.00200	0.00200				
Toluene		<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399				
o-Xylene		<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200				
Total BTEX		<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Mar-16-20 16:18					
	Analyzed:	Mar-16-20 17:05					
	Units/RL:	mg/kg	RL				
Chloride		1030	49.7				
TPH By SW8015 Mod	***Extracted:***	Mar-14-20 13:00					
	Analyzed:	Mar-14-20 21:53					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9				
Diesel Range Organics (DRO)		<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9				
Total TPH		<49.9	49.9				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Version: 1.%

Jessica Kramer
Project Manager

Analytical Report 655563

for

Etech Environmental & Safety Solution, Inc

Project Manager: Joel Lowry

Enron Federal Battery

11645

20-MAR-20

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

20-MAR-20

Project Manager: **Joel Lowry**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: XENCO Report No(s): **655563**
Enron Federal Battery
Project Address: Eddy Co,NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 655563. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 655563 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FS13 @3'	S	03-12-20 00:00	3 ft	655563-001
FS14 @3'	S	03-12-20 00:00	3 ft	655563-002
FS15 @4'	S	03-12-20 00:00	4 ft	655563-003
FS16 @3'	S	03-12-20 00:00	3 ft	655563-004
FS17 @3'	S	03-12-20 00:00	3 ft	655563-005
FS18 @3'	S	03-12-20 00:00	3 ft	655563-006
FS19 @3'	S	03-12-20 00:00	3 ft	655563-007

CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Enron Federal Battery

Project ID: *11645*
Work Order Number(s): *655563*

Report Date: *20-MAR-20*
Date Received: *03/13/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120198 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS13 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-001	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**194**	50.1	mg/kg	03.15.20 16.37		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.14.20 13.00	Basis:	Wet Weight
Seq Number:	3119719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.14.20 19.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.14.20 19.22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.14.20 19.22	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.14.20 19.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	03.14.20 19.22	
o-Terphenyl	84-15-1	85	%	70-135	03.14.20 19.22	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS13 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-001	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.19.20 00.35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.19.20 00.35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.19.20 00.35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.19.20 00.35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.19.20 00.35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.19.20 00.35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.19.20 00.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.19.20 00.35	
4-Bromofluorobenzene	460-00-4	99	%	70-130	03.19.20 00.35	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS14 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-002	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**309**	49.7	mg/kg	03.15.20 16.44		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.14.20 13.00	Basis:	Wet Weight
Seq Number:	3119719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.14.20 20.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.14.20 20.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.14.20 20.18	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.14.20 20.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	03.14.20 20.18	
o-Terphenyl	84-15-1	85	%	70-135	03.14.20 20.18	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS14 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-002	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.19.20 00.55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.19.20 00.55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.19.20 00.55	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.19.20 00.55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.19.20 00.55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.19.20 00.55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.19.20 00.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.19.20 00.55	
4-Bromofluorobenzene	460-00-4	108	%	70-130	03.19.20 00.55	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS15 @4'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-003	Date Collected:	03.12.20 00.00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**201**	49.9	mg/kg	03.15.20 16.50		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.14.20 13.00	Basis:	Wet Weight
Seq Number:	3119719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.14.20 20.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.14.20 20.37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.14.20 20.37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.14.20 20.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	03.14.20 20.37	
o-Terphenyl	84-15-1	83	%	70-135	03.14.20 20.37	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS15 @4'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-003	Date Collected:	03.12.20 00.00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.19.20 01.15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.19.20 01.15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.19.20 01.15	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.19.20 01.15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.19.20 01.15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.19.20 01.15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.19.20 01.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.19.20 01.15	
4-Bromofluorobenzene	460-00-4	105	%	70-130	03.19.20 01.15	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS16 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-004	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**72.1**	50.4	mg/kg	03.15.20 16.56		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.14.20 13.00	Basis:	Wet Weight
Seq Number:	3119719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.14.20 20.56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.14.20 20.56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.14.20 20.56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.14.20 20.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	03.14.20 20.56	
o-Terphenyl	84-15-1	82	%	70-135	03.14.20 20.56	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS16 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-004	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.19.20 01.36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.19.20 01.36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.19.20 01.36	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.19.20 01.36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.19.20 01.36	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.19.20 01.36	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.19.20 01.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	03.19.20 01.36	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.19.20 01.36	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS17 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-005	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**394**	49.8	mg/kg	03.15.20 17.03		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.14.20 13.00	Basis:	Wet Weight
Seq Number:	3119719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.14.20 21.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.14.20 21.15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.14.20 21.15	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.14.20 21.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	03.14.20 21.15	
o-Terphenyl	84-15-1	85	%	70-135	03.14.20 21.15	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS17 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-005	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.19.20 01.56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.19.20 01.56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.19.20 01.56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.19.20 01.56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.19.20 01.56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.19.20 01.56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.19.20 01.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.19.20 01.56	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.19.20 01.56	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS18 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-006	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**447**	25.0	mg/kg	03.15.20 17.09		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.14.20 13.00	Basis:	Wet Weight
Seq Number:	3119719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.14.20 21.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.14.20 21.34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.14.20 21.34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.14.20 21.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	03.14.20 21.34	
o-Terphenyl	84-15-1	84	%	70-135	03.14.20 21.34	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS18 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-006	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.19.20 02.17	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.19.20 02.17	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.19.20 02.17	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.19.20 02.17	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.19.20 02.17	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.19.20 02.17	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.19.20 02.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.19.20 02.17	
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.19.20 02.17	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS19 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-007	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.16.20 16.18	Basis:	Wet Weight
Seq Number:	3119832				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1030**	49.7	mg/kg	03.16.20 17.05		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.14.20 13.00	Basis:	Wet Weight
Seq Number:	3119719				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.14.20 21.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.14.20 21.53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.14.20 21.53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.14.20 21.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	03.14.20 21.53	
o-Terphenyl	84-15-1	85	%	70-135	03.14.20 21.53	

Certificate of Analytical Results 655563

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS19 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655563-007	Date Collected:	03.12.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.19.20 02.37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.19.20 02.37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.19.20 02.37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.19.20 02.37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.19.20 02.37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.19.20 02.37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.19.20 02.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.19.20 02.37	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.19.20 02.37	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 655563

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119696 — Matrix: Solid — Date Prep: 03.15.20
MB Sample Id: 7698902-1-BLK — LCS Sample Id: 7698902-1-BKS — LCSD Sample Id: 7698902-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	258	103	259	104	90-110	0	20	mg/kg	03.15.20 14:05	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119832 — Matrix: Solid — Date Prep: 03.16.20
MB Sample Id: 7698986-1-BLK — LCS Sample Id: 7698986-1-BKS — LCSD Sample Id: 7698986-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	248	99	248	99	90-110	0	20	mg/kg	03.16.20 16:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119696 — Matrix: Soil — Date Prep: 03.15.20
Parent Sample Id: 655611-001 — MS Sample Id: 655611-001 S — MSD Sample Id: 655611-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	55.7	250	314	103	314	103	90-110	0	20	mg/kg	03.15.20 14:24	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119696 — Matrix: Soil — Date Prep: 03.15.20
Parent Sample Id: 655611-004 — MS Sample Id: 655611-004 S — MSD Sample Id: 655611-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.20	250	270	105	271	105	90-110	0	20	mg/kg	03.15.20 15:53	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119832 — Matrix: Soil — Date Prep: 03.16.20
Parent Sample Id: 655609-008 — MS Sample Id: 655609-008 S — MSD Sample Id: 655609-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	446	248	684	96	683	96	90-110	0	20	mg/kg	03.16.20 18:08	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 655563

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119832 — Matrix: Soil — Date Prep: 03.16.20
Parent Sample Id: 655610-004 — MS Sample Id: 655610-004 S — MSD Sample Id: 655610-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.86	252	260	99	261	100	90-110	0	20	mg/kg	03.16.20 16:54	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3119719 — Matrix: Solid — Date Prep: 03.14.20
MB Sample Id: 7698919-1-BLK — LCS Sample Id: 7698919-1-BKS — LCSD Sample Id: 7698919-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	923	92	936	94	70-135	1	20	mg/kg	03.14.20 18:44	
Diesel Range Organics (DRO)	<15.0	1000	987	99	1000	100	70-135	1	20	mg/kg	03.14.20 18:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		110		109		70-135	%	03.14.20 18:44
o-Terphenyl	86		97		101		70-135	%	03.14.20 18:44

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3119719 — Matrix: Solid — Date Prep: 03.14.20
MB Sample Id: 7698919-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.14.20 18:25	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3119719 — Matrix: Soil — Date Prep: 03.14.20
Parent Sample Id: 655563-001 — MS Sample Id: 655563-001 S — MSD Sample Id: 655563-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	998	919	92	921	92	70-135	0	20	mg/kg	03.14.20 19:41	
Diesel Range Organics (DRO)	<15.0	998	990	99	992	99	70-135	0	20	mg/kg	03.14.20 19:41	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		103		70-135	%	03.14.20 19:41
o-Terphenyl	99		102		70-135	%	03.14.20 19:41

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 655563

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3120198 Matrix: Solid Date Prep: 03.18.20

MB Sample Id: 7699240-1-BLK LCS Sample Id: 7699240-1-BKS LCSD Sample Id: 7699240-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0922	92	0.0931	93	70-130	1	35	mg/kg	03.18.20 17:47	
Toluene	<0.00200	0.100	0.0901	90	0.0919	92	70-130	2	35	mg/kg	03.18.20 17:47	
Ethylbenzene	<0.00200	0.100	0.0909	91	0.0925	93	70-130	2	35	mg/kg	03.18.20 17:47	
m,p-Xylenes	<0.00400	0.200	0.180	90	0.184	92	70-130	2	35	mg/kg	03.18.20 17:47	
o-Xylene	<0.00200	0.100	0.0908	91	0.0930	93	70-130	2	35	mg/kg	03.18.20 17:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		99		99		70-130	%	03.18.20 17:47
4-Bromofluorobenzene	96		96		99		70-130	%	03.18.20 17:47

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3120198 Matrix: Soil Date Prep: 03.18.20

Parent Sample Id: 656056-001 MS Sample Id: 656056-001 S MSD Sample Id: 656056-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0859	85	0.0884	88	70-130	3	35	mg/kg	03.18.20 18:28	
Toluene	<0.00201	0.101	0.0851	84	0.0877	88	70-130	3	35	mg/kg	03.18.20 18:28	
Ethylbenzene	<0.00201	0.101	0.0857	85	0.0879	88	70-130	3	35	mg/kg	03.18.20 18:28	
m,p-Xylenes	<0.00402	0.201	0.171	85	0.176	88	70-130	3	35	mg/kg	03.18.20 18:28	
o-Xylene	<0.00201	0.101	0.0865	86	0.0887	89	70-130	3	35	mg/kg	03.18.20 18:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		97		70-130	%	03.18.20 18:28
4-Bromofluorobenzene	98		100		70-130	%	03.18.20 18:28

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Chain of Custody

Work Order No: 1055543

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

www.xenco.com Page 1 of

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Grizzley
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM	City, State ZIP:	
Phone:	432-466-4450	Email:	joel@etechenv.com, lance@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Enron Federal Battery	Turn Around	
Project Number:	11645	Routine:	☒
Project Location	Eddy Co, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	0.3	Thermometer ID	129
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.3
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chlorides	TPH	BTEX	Sample Comments
FS13@3'	Soil	3.12.20		3'	1 Ice	X	X	X	
FS14@3'	Soil	3.12.20		3'	1 Ice	X	X	X	
FS15@4'	Soil	3.12.20		4'	1 Ice	X	X	X	
FS16@3'	Soil	3.12.20		3'	1 Ice	X	X	X	
FS17@3'	Soil	3.12.20		3'	1 Ice	X	X	X	
FS18@3'	Soil	3.12.20		3'	1 Ice	X	X	X	
FS19@3'	Soil	3.12.20		3'	1 Ice	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Stephanie Ellis	3/12/20 4:31	2 Stephanie Ellis		3/12/20 4:40
3				4	3/13/20 1100	
5				6		

Revised Date101419 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 03.13.2020 11.00.00 AM

Work Order #: 655563

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 03.13.2020

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 03.16.2020

Jessica Kramer

Certificate of Analysis Summary 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy

Date Received in Lab: Fri Mar-13-20 11:00 am
Report Date: 20-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	655561-001		655561-002		655561-003		655561-004		655561-005		655561-006	
	Field Id:	EW1		EW2		EW36		EW4C		NW1		NW2	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00	
	Analyzed:	Mar-19-20 00:46		Mar-19-20 01:06		Mar-19-20 01:26		Mar-19-20 07:56		Mar-19-20 08:16		Mar-19-20 08:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00400	0.00400	<0.00402	0.00402	<0.00399	0.00399	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Mar-15-20 12:20		Mar-15-20 12:20		Mar-15-20 12:20		Mar-15-20 12:20		Mar-15-20 12:20		Mar-15-20 12:20	
	Analyzed:	Mar-15-20 16:44		Mar-15-20 16:50		Mar-15-20 16:57		Mar-15-20 17:03		Mar-15-20 17:09		Mar-15-20 17:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<4.97	4.97	63.5	50.1	183	25.2	596	49.8	243	25.0	149	25.2
TPH By SW8015 Mod	***Extracted:***	Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00	
	Analyzed:	Mar-13-20 16:31		Mar-13-20 17:27		Mar-13-20 17:46		Mar-14-20 08:12		Mar-13-20 18:24		Mar-13-20 18:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		55.7	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9
Total TPH		55.7	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9

Jessica Kramer
Project Manager

Certificate of Analysis Summary 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy

Date Received in Lab: Fri Mar-13-20 11:00 am
Report Date: 20-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	655561-007		655561-008		655561-009		655561-010		655561-011		655561-012	
	Field Id:	NW3		FS1 @1'		FS2 @ 3'		FS3 @1'		FS4 @2'		FS5 @3'	
	Depth:	1- ft		1- ft		3- ft		1- ft		2- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00	
BTEX by EPA 8021B	***Extracted:***	Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00	
	Analyzed:	Mar-19-20 08:56		Mar-19-20 09:16		Mar-19-20 09:36		Mar-19-20 09:57		Mar-19-20 10:17		Mar-19-20 10:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202
Toluene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202
Ethylbenzene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202
m,p-Xylenes		<0.00403	0.00403	<0.00398	0.00398	<0.00398	0.00398	<0.00401	0.00401	<0.00403	0.00403	<0.00403	0.00403
o-Xylene		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202
Total Xylenes		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202
Total BTEX		<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202
Chloride by EPA 300	***Extracted:***	Mar-15-20 12:20		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35	
	Analyzed:	Mar-15-20 17:22		Mar-16-20 08:01		Mar-15-20 14:43		Mar-15-20 14:49		Mar-16-20 08:07		Mar-15-20 15:15	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		223	4.96	51.1	4.98	201	49.9	191	24.8	56.3	4.95	357	50.3
TPH By SW8015 Mod	***Extracted:***	Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00	
	Analyzed:	Mar-13-20 19:02		Mar-13-20 19:21		Mar-13-20 19:41		Mar-13-20 20:00		Mar-14-20 08:31		Mar-13-20 20:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9
Total TPH		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9

Jessica Kramer
Project Manager

Certificate of Analysis Summary 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy

Date Received in Lab: Fri Mar-13-20 11:00 am
Report Date: 20-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	655561-013		655561-014		655561-015		655561-016		655561-017		655561-018	
	Field Id:	FS6 @3'		FS7 @2.5'		FS8 @2'		FS9 @ 2'		FS10 @ 3'		FS11 @3'	
	Depth:	3- ft		2.5- ft		2- ft		2- ft		3- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00		Mar-11-20 00:00	
BTEX by EPA 8021B	*Extracted:*	Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00		Mar-18-20 16:00	
	Analyzed:	Mar-19-20 10:57		Mar-18-20 21:10		Mar-18-20 21:31		Mar-18-20 21:51		Mar-18-20 22:12		Mar-18-20 22:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00400	0.00400	<0.00398	0.00398	<0.00403	0.00403	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199
Chloride by EPA 300	*Extracted:*	Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35		Mar-15-20 12:35	
	Analyzed:	Mar-15-20 15:21		Mar-16-20 08:13		Mar-15-20 15:34		Mar-15-20 15:40		Mar-15-20 16:06		Mar-15-20 16:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		329	49.9	51.7	4.96	216	50.0	379	50.0	125	50.3	560	49.6
TPH By SW8015 Mod	*Extracted:*	Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00		Mar-13-20 13:00	
	Analyzed:	Mar-13-20 21:15		Mar-13-20 21:35		Mar-13-20 21:54		Mar-13-20 22:12		Mar-13-20 22:31		Mar-13-20 22:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0

Jessica Kramer
Project Manager

Certificate of Analysis Summary 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy

Date Received in Lab: Fri Mar-13-20 11:00 am
Report Date: 20-MAR-20
Project Manager: Jessica Kramer

Analysis Requested								
	Lab Id:	655561-019						
	Field Id:	FS12 @ 3'						
	Depth:	3- ft						
	Matrix:	SOIL						
	Sampled:	Mar-11-20 00:00						
BTEX by EPA 8021B	***Extracted:***	Mar-18-20 16:00						
	Analyzed:	Mar-18-20 22:52						
	Units/RL:	mg/kg	RL					
Benzene		<0.00200	0.00200					
Toluene		<0.00200	0.00200					
Ethylbenzene		<0.00200	0.00200					
m,p-Xylenes		<0.00401	0.00401					
o-Xylene		<0.00200	0.00200					
Total Xylenes		<0.00200	0.00200					
Total BTEX		<0.00200	0.00200					
Chloride by EPA 300	***Extracted:***	Mar-15-20 12:35						
	Analyzed:	Mar-15-20 16:31						
	Units/RL:	mg/kg	RL					
Chloride		279	50.0					
TPH By SW8015 Mod	***Extracted:***	Mar-13-20 13:00						
	Analyzed:	Mar-13-20 23:08						
	Units/RL:	mg/kg	RL					
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9					
Diesel Range Organics (DRO)		<49.9	49.9					
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9					
Total TPH		<49.9	49.9					

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager

Analytical Report 655561

for

Etech Environmental & Safety Solution, Inc

Project Manager: Joel Lowry

Enron Federal Battery

11645

20-MAR-20

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

20-MAR-20

Project Manager: **Joel Lowry**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: XENCO Report No(s): **655561**
Enron Federal Battery
Project Address: Eddy

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 655561. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 655561 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Sample Cross Reference 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EW1	S	03-11-20 00:00	1 ft	655561-001
EW2	S	03-11-20 00:00	1 ft	655561-002
EW36	S	03-11-20 00:00	1 ft	655561-003
EW4C	S	03-11-20 00:00	1 ft	655561-004
NW1	S	03-11-20 00:00	1 ft	655561-005
NW2	S	03-11-20 00:00	1 ft	655561-006
NW3	S	03-11-20 00:00	1 ft	655561-007
FS1 @1'	S	03-11-20 00:00	1 ft	655561-008
FS2 @ 3'	S	03-11-20 00:00	3 ft	655561-009
FS3 @1'	S	03-11-20 00:00	1 ft	655561-010
FS4 @2'	S	03-11-20 00:00	2 ft	655561-011
FS5 @3'	S	03-11-20 00:00	3 ft	655561-012
FS6 @3'	S	03-11-20 00:00	3 ft	655561-013
FS7 @2.5'	S	03-11-20 00:00	2.5 ft	655561-014
FS8 @2'	S	03-11-20 00:00	2 ft	655561-015
FS9 @ 2'	S	03-11-20 00:00	2 ft	655561-016
FS10 @ 3'	S	03-11-20 00:00	3 ft	655561-017
FS11 @3'	S	03-11-20 00:00	3 ft	655561-018
FS12 @ 3'	S	03-11-20 00:00	3 ft	655561-019

CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Enron Federal Battery

Project ID: *11645*
Work Order Number(s): *655561*

Report Date: *20-MAR-20*
Date Received: *03/13/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120198 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120250 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7699244-1-BLK.

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW1**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-001	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.20	Basis:	Wet Weight
Seq Number:	3119695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	03.15.20 16.44	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 16.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	**55.7**	50.0	mg/kg	03.13.20 16.31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 16.31	U	1
Total TPH	PHC635	**55.7**	50.0	mg/kg	03.13.20 16.31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	03.13.20 16.31	
o-Terphenyl	84-15-1	92	%	70-135	03.13.20 16.31	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW1**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-001	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.19.20 00.46	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.19.20 00.46	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.19.20 00.46	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.19.20 00.46	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.19.20 00.46	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.19.20 00.46	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.19.20 00.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.19.20 00.46	
4-Bromofluorobenzene	460-00-4	79	%	70-130	03.19.20 00.46	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-002	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.20	Basis:	Wet Weight
Seq Number:	3119695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**63.5**	50.1	mg/kg	03.15.20 16.50		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.13.20 17.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.13.20 17.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.13.20 17.27	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.13.20 17.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	03.13.20 17.27	
o-Terphenyl	84-15-1	91	%	70-135	03.13.20 17.27	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-002	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.19.20 01.06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.19.20 01.06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.19.20 01.06	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.19.20 01.06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.19.20 01.06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.19.20 01.06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.19.20 01.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	03.19.20 01.06	
1,4-Difluorobenzene	540-36-3	119	%	70-130	03.19.20 01.06	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW36**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-003	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.20	Basis:	Wet Weight
Seq Number:	3119695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**183**	25.2	mg/kg	03.15.20 16.57		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 17.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.13.20 17.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 17.46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.13.20 17.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.13.20 17.46	
o-Terphenyl	84-15-1	89	%	70-135	03.13.20 17.46	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW36**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-003	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.19.20 01.26	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.19.20 01.26	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.19.20 01.26	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.19.20 01.26	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.19.20 01.26	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.19.20 01.26	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.19.20 01.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	83	%	70-130	03.19.20 01.26	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.19.20 01.26	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW4C**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-004	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.20	Basis:	Wet Weight
Seq Number:	3119695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**596**	49.8	mg/kg	03.15.20 17.03		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.14.20 08.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.14.20 08.12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.14.20 08.12	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.14.20 08.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	03.14.20 08.12	
o-Terphenyl	84-15-1	90	%	70-135	03.14.20 08.12	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**EW4C**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-004	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.19.20 07.56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.19.20 07.56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.19.20 07.56	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.19.20 07.56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.19.20 07.56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.19.20 07.56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.19.20 07.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.19.20 07.56	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.19.20 07.56	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**NW1**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-005	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.20	Basis:	Wet Weight
Seq Number:	3119695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**243**	25.0	mg/kg	03.15.20 17.09		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 18.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.13.20 18.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 18.24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.13.20 18.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	03.13.20 18.24	
o-Terphenyl	84-15-1	87	%	70-135	03.13.20 18.24	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**NW1**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-005	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.19.20 08.16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.19.20 08.16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.19.20 08.16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.19.20 08.16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.19.20 08.16	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.19.20 08.16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.19.20 08.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	118	%	70-130	03.19.20 08.16	
4-Bromofluorobenzene	460-00-4	82	%	70-130	03.19.20 08.16	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**NW2**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-006	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.20	Basis:	Wet Weight
Seq Number:	3119695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**149**	25.2	mg/kg	03.15.20 17.16		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.13.20 18.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.13.20 18.43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.13.20 18.43	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.13.20 18.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	03.13.20 18.43	
o-Terphenyl	84-15-1	88	%	70-135	03.13.20 18.43	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**NW2**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-006	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.19.20 08.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.19.20 08.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.19.20 08.36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.19.20 08.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.19.20 08.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.19.20 08.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.19.20 08.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	80	%	70-130	03.19.20 08.36	
1,4-Difluorobenzene	540-36-3	119	%	70-130	03.19.20 08.36	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**NW3**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-007	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.20	Basis:	Wet Weight
Seq Number:	3119695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**223**	4.96	mg/kg	03.15.20 17.22		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.13.20 19.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.13.20 19.02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.13.20 19.02	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.13.20 19.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.13.20 19.02	
o-Terphenyl	84-15-1	88	%	70-135	03.13.20 19.02	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**NW3**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-007	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.19.20 08.56	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.19.20 08.56	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.19.20 08.56	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.19.20 08.56	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.19.20 08.56	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.19.20 08.56	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.19.20 08.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.19.20 08.56	
4-Bromofluorobenzene	460-00-4	82	%	70-130	03.19.20 08.56	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS1 @1'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-008	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**51.1**	4.98	mg/kg	03.16.20 08.01		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 19.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.13.20 19.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 19.21	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.13.20 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.13.20 19.21	
o-Terphenyl	84-15-1	88	%	70-135	03.13.20 19.21	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS1 @1'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-008	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.19.20 09.16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.19.20 09.16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.19.20 09.16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.19.20 09.16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.19.20 09.16	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.19.20 09.16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.19.20 09.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	119	%	70-130	03.19.20 09.16	
4-Bromofluorobenzene	460-00-4	85	%	70-130	03.19.20 09.16	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS2 @ 3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-009	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**201**	49.9	mg/kg	03.15.20 14.43		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.13.20 19.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.13.20 19.41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.13.20 19.41	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.13.20 19.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	03.13.20 19.41	
o-Terphenyl	84-15-1	89	%	70-135	03.13.20 19.41	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS2 @ 3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-009	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.19.20 09.36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.19.20 09.36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.19.20 09.36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.19.20 09.36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.19.20 09.36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.19.20 09.36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.19.20 09.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	120	%	70-130	03.19.20 09.36	
4-Bromofluorobenzene	460-00-4	85	%	70-130	03.19.20 09.36	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS3 @1'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-010	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**191**	24.8	mg/kg	03.15.20 14.49		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 20.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.13.20 20.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 20.00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.13.20 20.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	03.13.20 20.00	
o-Terphenyl	84-15-1	86	%	70-135	03.13.20 20.00	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS3 @1'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-010	Date Collected:	03.11.20 00.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.19.20 09.57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.19.20 09.57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.19.20 09.57	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.19.20 09.57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.19.20 09.57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.19.20 09.57	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.19.20 09.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.19.20 09.57	
4-Bromofluorobenzene	460-00-4	71	%	70-130	03.19.20 09.57	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS4 @2'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-011	Date Collected:	03.11.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**56.3**	4.95	mg/kg	03.16.20 08.07		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.14.20 08.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.14.20 08.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.14.20 08.31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.14.20 08.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	03.14.20 08.31	
o-Terphenyl	84-15-1	90	%	70-135	03.14.20 08.31	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS4 @2'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-011	Date Collected:	03.11.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.19.20 10.17	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.19.20 10.17	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.19.20 10.17	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.19.20 10.17	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.19.20 10.17	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.19.20 10.17	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.19.20 10.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	79	%	70-130	03.19.20 10.17	
1,4-Difluorobenzene	540-36-3	113	%	70-130	03.19.20 10.17	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS5 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-012	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**357**	50.3	mg/kg	03.15.20 15.15		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.13.20 20.56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.13.20 20.56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.13.20 20.56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.13.20 20.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	03.13.20 20.56	
o-Terphenyl	84-15-1	89	%	70-135	03.13.20 20.56	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS5 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-012	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.19.20 10.37	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.19.20 10.37	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.19.20 10.37	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.19.20 10.37	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.19.20 10.37	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.19.20 10.37	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.19.20 10.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.19.20 10.37	
4-Bromofluorobenzene	460-00-4	84	%	70-130	03.19.20 10.37	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS6 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-013	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**329**	49.9	mg/kg	03.15.20 15.21		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.13.20 21.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.13.20 21.15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.13.20 21.15	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.13.20 21.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	03.13.20 21.15	
o-Terphenyl	84-15-1	90	%	70-135	03.13.20 21.15	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS6 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-013	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.19.20 10.57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.19.20 10.57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.19.20 10.57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.19.20 10.57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.19.20 10.57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.19.20 10.57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.19.20 10.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	03.19.20 10.57	
1,4-Difluorobenzene	540-36-3	118	%	70-130	03.19.20 10.57	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS7 @2.5'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-014	Date Collected:	03.11.20 00.00	Sample Depth:	2.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**51.7**	4.96	mg/kg	03.16.20 08.13		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 21.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.13.20 21.35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 21.35	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.13.20 21.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	03.13.20 21.35	
o-Terphenyl	84-15-1	87	%	70-135	03.13.20 21.35	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS7 @2.5'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-014	Date Collected:	03.11.20 00.00	Sample Depth:	2.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.18.20 21.10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.18.20 21.10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.18.20 21.10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.18.20 21.10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.18.20 21.10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.18.20 21.10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.18.20 21.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	03.18.20 21.10	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.18.20 21.10	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS8 @2'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-015	Date Collected:	03.11.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**216**	50.0	mg/kg	03.15.20 15.34		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 21.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.13.20 21.54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 21.54	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.13.20 21.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	03.13.20 21.54	
o-Terphenyl	84-15-1	87	%	70-135	03.13.20 21.54	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS8 @2'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-015	Date Collected:	03.11.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.18.20 21.31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.18.20 21.31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.18.20 21.31	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.18.20 21.31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.18.20 21.31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.18.20 21.31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.18.20 21.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.18.20 21.31	
4-Bromofluorobenzene	460-00-4	109	%	70-130	03.18.20 21.31	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS9 @ 2'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-016	Date Collected:	03.11.20 00.00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**379**	50.0	mg/kg	03.15.20 15.40		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.13.20 22.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.13.20 22.12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.13.20 22.12	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.13.20 22.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	03.13.20 22.12	
o-Terphenyl	84-15-1	91	%	70-135	03.13.20 22.12	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS9 @ 2'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-016	Date Collected:	03.11.20 00.00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.18.20 21.51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.18.20 21.51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.18.20 21.51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.18.20 21.51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.18.20 21.51	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.18.20 21.51	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.18.20 21.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.18.20 21.51	
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.18.20 21.51	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS10 @ 3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-017	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**125**	50.3	mg/kg	03.15.20 16.06		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.13.20 22.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.13.20 22.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.13.20 22.31	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.13.20 22.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.13.20 22.31	
o-Terphenyl	84-15-1	89	%	70-135	03.13.20 22.31	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS10 @ 3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-017	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.18.20 22.12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.18.20 22.12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.18.20 22.12	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.18.20 22.12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.18.20 22.12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.18.20 22.12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.18.20 22.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.18.20 22.12	
4-Bromofluorobenzene	460-00-4	103	%	70-130	03.18.20 22.12	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS11 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-018	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**560**	49.6	mg/kg	03.15.20 16.12		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.13.20 22.49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.13.20 22.49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.13.20 22.49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.13.20 22.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	03.13.20 22.49	
o-Terphenyl	84-15-1	89	%	70-135	03.13.20 22.49	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS11 @3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-018	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.18.20 22.32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.18.20 22.32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.18.20 22.32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.18.20 22.32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.18.20 22.32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.18.20 22.32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.18.20 22.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	03.18.20 22.32	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.18.20 22.32	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS12 @ 3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-019	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.15.20 12.35	Basis:	Wet Weight
Seq Number:	3119696				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**279**	50.0	mg/kg	03.15.20 16.31		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.13.20 13.00	Basis:	Wet Weight
Seq Number:	3119714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.13.20 23.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.13.20 23.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.13.20 23.08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.13.20 23.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	03.13.20 23.08	
o-Terphenyl	84-15-1	87	%	70-135	03.13.20 23.08	

Certificate of Analytical Results 655561

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**FS12 @ 3'**	Matrix:	Soil	Date Received:	03.13.20 11.00
Lab Sample Id:	655561-019	Date Collected:	03.11.20 00.00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.18.20 16.00	Basis:	Wet Weight
Seq Number:	3120198				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.18.20 22.52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.18.20 22.52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.18.20 22.52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.18.20 22.52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.18.20 22.52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.18.20 22.52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.18.20 22.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.18.20 22.52	
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.18.20 22.52	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 655561

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119695 — Matrix: Solid — Date Prep: 03.15.20
MB Sample Id: 7698901-1-BLK — LCS Sample Id: 7698901-1-BKS — LCSD Sample Id: 7698901-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	258	103	257	103	90-110	0	20	mg/kg	03.15.20 14:19	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119696 — Matrix: Solid — Date Prep: 03.15.20
MB Sample Id: 7698902-1-BLK — LCS Sample Id: 7698902-1-BKS — LCSD Sample Id: 7698902-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	258	103	259	104	90-110	0	20	mg/kg	03.15.20 14:05	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119695 — Matrix: Soil — Date Prep: 03.15.20
Parent Sample Id: 655667-014 — MS Sample Id: 655667-014 S — MSD Sample Id: 655667-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10.2	272	288	102	289	103	90-110	0	20	mg/kg	03.15.20 14:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119695 — Matrix: Soil — Date Prep: 03.15.20
Parent Sample Id: 655670-001 — MS Sample Id: 655670-001 S — MSD Sample Id: 655670-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.69	278	301	105	300	105	90-110	0	20	mg/kg	03.15.20 16:06	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3119696 — Matrix: Soil — Date Prep: 03.15.20
Parent Sample Id: 655611-001 — MS Sample Id: 655611-001 S — MSD Sample Id: 655611-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	55.7	250	314	103	314	103	90-110	0	20	mg/kg	03.15.20 14:24	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 655561

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3119696 Matrix: Soil Date Prep: 03.15.20
Parent Sample Id: 655611-004 MS Sample Id: 655611-004 S MSD Sample Id: 655611-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.20	250	270	105	271	105	90-110	0	20	mg/kg	03.15.20 15:53	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3119714 Matrix: Solid Date Prep: 03.13.20
MB Sample Id: 7698904-1-BLK LCS Sample Id: 7698904-1-BKS LCSD Sample Id: 7698904-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1040	104	972	97	70-135	7	20	mg/kg	03.13.20 15:54	
Diesel Range Organics (DRO)	<15.0	1000	1110	111	1050	105	70-135	6	20	mg/kg	03.13.20 15:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		121		114		70-135	%	03.13.20 15:54
o-Terphenyl	99		112		102		70-135	%	03.13.20 15:54

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3119714 Matrix: Solid Date Prep: 03.13.20
MB Sample Id: 7698904-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.13.20 15:35	

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3119714 Matrix: Soil Date Prep: 03.13.20
Parent Sample Id: 655561-001 MS Sample Id: 655561-001 S MSD Sample Id: 655561-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	997	953	96	953	96	70-135	0	20	mg/kg	03.13.20 16:50	
Diesel Range Organics (DRO)	55.7	997	1020	97	1030	98	70-135	1	20	mg/kg	03.13.20 16:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		111		70-135	%	03.13.20 16:50
o-Terphenyl	100		97		70-135	%	03.13.20 16:50

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 655561

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120198 — Matrix: Solid — Date Prep: 03.18.20
MB Sample Id: 7699240-1-BLK — LCS Sample Id: 7699240-1-BKS — LCSD Sample Id: 7699240-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0922	92	0.0931	93	70-130	1	35	mg/kg	03.18.20 17:47	
Toluene	<0.00200	0.100	0.0901	90	0.0919	92	70-130	2	35	mg/kg	03.18.20 17:47	
Ethylbenzene	<0.00200	0.100	0.0909	91	0.0925	93	70-130	2	35	mg/kg	03.18.20 17:47	
m,p-Xylenes	<0.00400	0.200	0.180	90	0.184	92	70-130	2	35	mg/kg	03.18.20 17:47	
o-Xylene	<0.00200	0.100	0.0908	91	0.0930	93	70-130	2	35	mg/kg	03.18.20 17:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		99		99		70-130	%	03.18.20 17:47
4-Bromofluorobenzene	96		96		99		70-130	%	03.18.20 17:47

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120250 — Matrix: Solid — Date Prep: 03.18.20
MB Sample Id: 7699244-1-BLK — LCS Sample Id: 7699244-1-BKS — LCSD Sample Id: 7699244-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0956	96	0.101	101	70-130	5	35	mg/kg	03.18.20 20:05	
Toluene	<0.000456	0.100	0.0946	95	0.101	101	70-130	7	35	mg/kg	03.18.20 20:05	
Ethylbenzene	<0.000565	0.100	0.0911	91	0.0977	98	70-130	7	35	mg/kg	03.18.20 20:05	
m,p-Xylenes	<0.00101	0.200	0.179	90	0.192	96	70-130	7	35	mg/kg	03.18.20 20:05	
o-Xylene	<0.000344	0.100	0.0917	92	0.0985	99	70-130	7	35	mg/kg	03.18.20 20:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		108		109		70-130	%	03.18.20 20:05
4-Bromofluorobenzene	67	**	88		86		70-130	%	03.18.20 20:05

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120198 — Matrix: Soil — Date Prep: 03.18.20
Parent Sample Id: 656056-001 — MS Sample Id: 656056-001 S — MSD Sample Id: 656056-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0859	85	0.0884	88	70-130	3	35	mg/kg	03.18.20 18:28	
Toluene	<0.00201	0.101	0.0851	84	0.0877	88	70-130	3	35	mg/kg	03.18.20 18:28	
Ethylbenzene	<0.00201	0.101	0.0857	85	0.0879	88	70-130	3	35	mg/kg	03.18.20 18:28	
m,p-Xylenes	<0.00402	0.201	0.171	85	0.176	88	70-130	3	35	mg/kg	03.18.20 18:28	
o-Xylene	<0.00201	0.101	0.0865	86	0.0887	89	70-130	3	35	mg/kg	03.18.20 18:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		97		70-130	%	03.18.20 18:28
4-Bromofluorobenzene	98		100		70-130	%	03.18.20 18:28

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 655561

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3120250 Matrix: Soil Date Prep: 03.18.20

Parent Sample Id: 655371-001 MS Sample Id: 655371-001 S MSD Sample Id: 655371-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000384	0.0998	0.0818	82	0.0793	80	70-130	3	35	mg/kg	03.18.20 20:45	
Toluene	<0.000455	0.0998	0.0757	76	0.0764	77	70-130	1	35	mg/kg	03.18.20 20:45	
Ethylbenzene	<0.000564	0.0998	0.0717	72	0.0729	73	70-130	2	35	mg/kg	03.18.20 20:45	
m,p-Xylenes	<0.00101	0.200	0.138	69	0.141	71	70-130	2	35	mg/kg	03.18.20 20:45	X
o-Xylene	<0.000344	0.0998	0.0733	73	0.0747	75	70-130	2	35	mg/kg	03.18.20 20:45	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		113		70-130	%	03.18.20 20:45
4-Bromofluorobenzene	86		87		70-130	%	03.18.20 20:45

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: 455561

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Grizzly Energy
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM	City, State ZIP:	
Phone:	432-466-4450	Email:	joel@etechenv.com, lance@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Enron Federal Battery	Turn Around	
Project Number:	11645	Routine:	☒
Project Location	Eddy Co, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	2.1°	Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:	20	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chlorides	BTEX	TPH
EW1	Comp	3.11.20		1'	Ice	X	X	X
EW2	Comp	3.11.20		1'	Ice	X	X	X
EW3b	Comp	3.11.20		1'	Ice	X	X	X
EW4C	Comp	3.11.20		1'	Ice	X	X	X
NW1	Comp	3.11.20		1'	Ice	X	X	X
NW2	Comp	3.11.20		1'	Ice	X	X	X
NW3	Comp	3.11.20		1'	Ice	X	X	X
FS1@1'	Comp	3.11.20		1'	Ice	X	X	X
FS2@3'	Comp	3.11.20		3'	Ice	X	X	X
FS3@1'	Comp	3.11.20		1'	Ice	X	X	X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	Stephanie Tejos	3/11/20 4:44	2	Stephanie Tejos	3/11/20 4:51
3				4		
5				6	[signature] 3/13	1100

Revised Date 101419 Rev. 2019.1

Chain of Custody

XENCO LABORATORIES

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 1055541

www.xenco.com Page 2 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental	Company Name:	Grizzly Energy
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM	City, State ZIP:	
Phone:	432-466-4450	Email:	joel@etechenv.com, lance@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Eaton Federal Battery	Turn Around	
Project Number:	11648	Routine:	☒
Project Location	Eddy Co, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temperature (°C):	2.1°	Temp Blank: Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	129
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.3
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	+ Chlorides	BTEX	TPH
FS4@2'	Comp	3.11.20		2'	1 Ice	X	X	X
FS5@3'	Comp	3.11.20		3'	1 Ice	X	X	X
FS6@3'	Comp	3.11.20		3'	1 Ice	X	X	X
FS7@2.5'	Comp	3.11.20		2.5'	1 Ice	X	X	X
FS8@2'	Comp	3.11.20		2'	1 Ice	X	X	X
FS9@2'	Comp	3.11.20		2'	1 Ice	X	X	X
FS10@3'	Comp	3.11.20		3'	1 Ice	X	X	X
FS11@3'	Comp	3.11.20		3'	1 Ice	X	X	X
FS12@3'	Comp	3.11.20		3'	1 Ice	X	X	X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Stephanie Rojas	3/11/20 4:44	2 Stephanie Rojas		3/11/20 4:54
3				4	3/12/20 1100	
5				6		

Revised Date101419 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 03.13.2020 11.00.00 AM

Work Order #: 655561

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.1
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 03.13.2020

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 03.16.2020

Jessica Kramer

Certificate of Analysis Summary 656574

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron Federal Battery

Project Id: 11645
Contact: Joel Lowry
Project Location: Eddy County, NM

Date Received in Lab: Tue Mar-24-20 12:45 pm
Report Date: 25-MAR-20
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	656574-001					
	Field Id:	SP19 @4'					
	Depth:	4- ft					
	Matrix:	SOIL					
	Sampled:	Mar-23-20 00:00					
BTEX by EPA 8021B	***Extracted:***	** ** ** **					
	Analyzed:	Mar-24-20 13:53					
	Units/RL:	mg/kg	RL				
Benzene		<0.00199	0.00199				
Toluene		<0.00199	0.00199				
Ethylbenzene		<0.00199	0.00199				
m,p-Xylenes		<0.00398	0.00398				
o-Xylene		<0.00199	0.00199				
Total Xylenes		<0.00199	0.00199				
Total BTEX		<0.00199	0.00199				
Chloride by EPA 300	***Extracted:***	Mar-24-20 16:35					
	Analyzed:	Mar-25-20 02:41					
	Units/RL:	mg/kg	RL				
Chloride		364	25.2				
TPH By SW8015 Mod	***Extracted:***	Mar-24-20 16:00					
	Analyzed:	Mar-25-20 02:49					
	Units/RL:	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0				
Total TPH		<50.0	50.0				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Version: 1.%

Jessica Kramer
Project Manager

Analytical Report 656574

for

Etech Environmental & Safety Solution, Inc

Project Manager: Joel Lowry

Enron Federal Battery

11645

25-MAR-20

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

25-MAR-20

Project Manager: **Joel Lowry**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: XENCO Report No(s): **656574**
Enron Federal Battery
Project Address: Eddy County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 656574. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 656574 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 656574

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP19 @4'	S	03-23-20 00:00	4 ft	656574-001

Version: 1.%

CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Enron Federal Battery

Project ID: *11645*
Work Order Number(s): *656574*

Report Date: *25-MAR-20*
Date Received: *03/24/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120844 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3120866 TPH By SW8015 Mod
Diesel Range Organics (DRO), Gasoline Range Hydrocarbons (GRO) recovered below QC limits in the laboratory control sample indicating bias low results. Samples in the analytical batch are: 656574-001.

Diesel Range Organics (DRO), Gasoline Range Hydrocarbons (GRO) RPD was outside laboratory control limits.
Samples in the analytical batch are: 656574-001

Surrogate 1-Chlorooctane, Surrogate o-Terphenyl recovered below QC limits Data confirmed by re-analysis. Samples affected are: 7699652-1-BKS.

Poor injection on the BKS resulted in low recovery, MS/MSD show recovery for the batch.

Certificate of Analytical Results 656574

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SP19 @4'**	Matrix:	Soil	Date Received:	03.24.20 12.45
Lab Sample Id:	656574-001	Date Collected:	03.23.20 00.00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.24.20 16.35	Basis:	Wet Weight
Seq Number:	3120808				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**364**	25.2	mg/kg	03.25.20 02.41		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	03.24.20 16.00	Basis:	Wet Weight
Seq Number:	3120866				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.25.20 02.49	UFL	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.25.20 02.49	UFL	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.25.20 02.49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.25.20 02.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	03.25.20 02.49	
o-Terphenyl	84-15-1	100	%	70-135	03.25.20 02.49	

Certificate of Analytical Results 656574

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron Federal Battery

Sample Id:	**SP19 @4'**	Matrix:	Soil	Date Received:	03.24.20 12.45
Lab Sample Id:	656574-001	Date Collected:	03.23.20 00.00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	03.24.20 09.00	Basis:	Wet Weight
Seq Number:	3120844				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.24.20 13.53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.24.20 13.53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.24.20 13.53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.24.20 13.53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.24.20 13.53	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.24.20 13.53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.24.20 13.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.24.20 13.53	
4-Bromofluorobenzene	460-00-4	82	%	70-130	03.24.20 13.53	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 656574

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120808 — Matrix: Solid — Date Prep: 03.24.20
MB Sample Id: 7699638-1-BLK — LCS Sample Id: 7699638-1-BKS — LCSD Sample Id: 7699638-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	263	105	262	105	90-110	0	20	mg/kg	03.25.20 01:01	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120808 — Matrix: Soil — Date Prep: 03.24.20
Parent Sample Id: 656579-002 — MS Sample Id: 656579-002 S — MSD Sample Id: 656579-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	430	250	660	92	660	92	90-110	0	20	mg/kg	03.25.20 01:17	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3120808 — Matrix: Soil — Date Prep: 03.24.20
Parent Sample Id: 656579-006 — MS Sample Id: 656579-006 S — MSD Sample Id: 656579-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	37.3	250	287	100	321	113	90-110	11	20	mg/kg	03.25.20 02:31	X

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120866 — Matrix: Solid — Date Prep: 03.24.20
MB Sample Id: 7699652-1-BLK — LCS Sample Id: 7699652-1-BKS — LCSD Sample Id: 7699652-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	17.2	2	831	83	70-135	192	20	mg/kg	03.25.20 02:11	LF
Diesel Range Organics (DRO)	<15.0	1000	19.7	2	879	88	70-135	191	20	mg/kg	03.25.20 02:11	LF

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		0	**	96		70-135	%	03.25.20 02:11
o-Terphenyl	90		0	**	105		70-135	%	03.25.20 02:11

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120866 — Matrix: Solid — Date Prep: 03.24.20
MB Sample Id: 7699652-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.25.20 01:52	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 656574

Etech Environmental & Safety Solution, Inc

Enron Federal Battery

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3120866 — Matrix: Soil — Date Prep: 03.24.20
Parent Sample Id: 656574-001 — MS Sample Id: 656574-001 S — MSD Sample Id: 656574-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	997	819	82	817	82	70-135	0	20	mg/kg	03.25.20 03:07	
Diesel Range Organics (DRO)	<15.0	997	867	87	866	87	70-135	0	20	mg/kg	03.25.20 03:07	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		102		70-135	%	03.25.20 03:07
o-Terphenyl	113		113		70-135	%	03.25.20 03:07

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120844 — Matrix: Solid — Date Prep: 03.24.20
MB Sample Id: 7699674-1-BLK — LCS Sample Id: 7699674-1-BKS — LCSD Sample Id: 7699674-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0965	97	0.0918	92	70-130	5	35	mg/kg	03.24.20 08:53	
Toluene	<0.000456	0.100	0.0997	100	0.0982	98	70-130	2	35	mg/kg	03.24.20 08:53	
Ethylbenzene	<0.000565	0.100	0.0999	100	0.0984	98	70-130	2	35	mg/kg	03.24.20 08:53	
m,p-Xylenes	<0.00101	0.200	0.198	99	0.196	98	70-130	1	35	mg/kg	03.24.20 08:53	
o-Xylene	<0.000344	0.100	0.0994	99	0.0987	99	70-130	1	35	mg/kg	03.24.20 08:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		110		110		70-130	%	03.24.20 08:53
4-Bromofluorobenzene	74		91		92		70-130	%	03.24.20 08:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3120844 — Matrix: Soil — Date Prep: 03.24.20
Parent Sample Id: 656404-005 — MS Sample Id: 656404-005 S — MSD Sample Id: 656404-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0813	82	0.0804	81	70-130	1	35	mg/kg	03.24.20 09:33	
Toluene	<0.000454	0.0996	0.0866	87	0.0858	86	70-130	1	35	mg/kg	03.24.20 09:33	
Ethylbenzene	<0.000563	0.0996	0.0863	87	0.0838	84	70-130	3	35	mg/kg	03.24.20 09:33	
m,p-Xylenes	<0.00101	0.199	0.168	84	0.162	82	70-130	4	35	mg/kg	03.24.20 09:33	
o-Xylene	<0.000343	0.0996	0.0865	87	0.0856	86	70-130	1	35	mg/kg	03.24.20 09:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		120		70-130	%	03.24.20 09:33
4-Bromofluorobenzene	87		94		70-130	%	03.24.20 09:33

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

Work Order No: 620574

XENCO LABORATORIES
Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Grizzley
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Enron Federal Battery	Turn Around	
Project Number:	11645	Routine:	☐
Project Location	Eddy County, NM	Rush:	☑
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	2.8/2.3	Thermometer ID	BH
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.3
Sample Custody Seals:	Yes No (N/A)	Total Containers:	1

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
SP19@4'	Soil	3.23.20		4'	1c	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/23 4:15	2		3/24/20
3			4		1215
5			6		

Revised Date101419 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 03.24.2020 12.45.00 PM

Work Order #: 656574

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 03.24.2020

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 03.25.2020

Jessica Kramer

CARDINAL Laboratories

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

March 25, 2020

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: ENRON FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/25/20 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	03/25/2020	Sampling Date:	03/25/2020
Reported:	03/25/2020	Sampling Type:	Soil
Project Name:	ENRON FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	11645	Sample Received By:	Tamara Oldaker
Project Location:	GRIZZLY UL/O SEC25 T17S R27E		

Sample ID: FS 20 @ 4' (H000907-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	03/25/2020	ND	432	108	400	0.00	

Sample ID: FS 23 @ 4' (H000907-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	03/25/2020	ND	432	108	400	0.00	

Sample ID: FS 26 @ 4' (H000907-03)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	03/25/2020	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

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

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental	BILL TO	
Project Manager:	Joel Lowry	P.O. #:	
Address:	3100 Plains Hwy	Company:	Grizzly
City:	Lovington State: NM Zip: 88260	Attn:	
Phone #:	432-400-4450 Fax #:	Address:	
Project #:	11645 Project Owner:	City:	
Project Name:	Enron Federal Battery	State: Zip:	
Project Location:	Eddy Co, New Mexico	Phone #:	
Sampler Name:	Miguel Ramirez	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH	BTEX 8021
H000907																	
1	FS 20 @ 4'	C	1			X					X		3-25-20		X		
2	FS 23 @ 4'	C	1			X					X		3-25-20		X		
3	FS 26 @ 4'	C	1			X					X		3-25-20		X		

PLEASE NOTE: Liability and Damages. Cardinal'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 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 of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3-25-20 Time: 12:00	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One)		Sample Condition: Cool Yes / No; Intact Yes / No	CHECKED BY: (Initials) T.O.
Sampler - UPS - Bus - Other:	1.6c #113		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS: email results to joel@etechenv.com
lance@etechenv.com
PM @ etechenv.com

RUSH

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

FORM-006 R 2.0

Appendix D
Photographic Log

Photographic Log

Photo Number: #1 **Photo Direction:** North **Photo Description:** Release area	

Photo Number: #2 **Photo Direction:** North **Photo Description:** Release area	

Photographic Log

Photo Number: #3 **Photo Direction:** Northeast **Photo Description:** Release area	

Photo Number: #4 **Photo Direction:** Southwest **Photo Description:** Release area	

Photographic Log

Photo Number: #5 **Photo Direction:** East **Photo Description:** View across excavation	

Photo Number: #6 **Photo Direction:** East **Photo Description:** View across excavation	

Photographic Log

Photo Number: #7 **Photo Direction:** North **Photo Description:** View across excavation	

Photo Number: #8 **Photo Direction:** South **Photo Description:** View across excavation	

Photographic Log

Photo Number: #9 **Photo Direction:** East **Photo Description:** Backfilling	

Photo Number: #10 **Photo Direction:** North **Photo Description:** Backfilling	

Photographic Log

Date: 3/27/2020

Photo Number: #11 **Photo Direction:** East **Photo Description:** Backfill complete	

Photo Number: #12 **Photo Direction:** North **Photo Description:** Backfill complete