State of New Mexico
Oil Conservation Division

Incident ID	nRM2028762234
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	> 55 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nRM2028762234
District RP	
Facility ID	
Application ID	

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

Printed Name: Carmen Pitt Title: Senior EHS Specialist

Signature: Carmen E Pitt Date: 12/04/2020

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nRM2028762234
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Carmen Pitt Title: Senior EHS Specialist

Signature: Carmen Pitt Date: 12/04/2020

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

OCD Only

Received by: Chad Hensley Date: 02/25/2021

☑ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Chad Hensley Date: 02/25/2021

Site Assessment Report and Proposed Remediation Workplan

Grizzly Energy, LLC
Enron State CTB
Eddy County, New Mexico
Unit Letter C, Section 32, Township 17 South, Range 28 East
Latitude 32.795931 North, Longitude 104.199918 West
NMOCD Reference No. nRM2028762234

Prepared By:

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

Matthew Grieco

Joel W. Lowry

ETECH Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

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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 State CTB. Details of the release are summarized below:

Location of Release Source

Latitude: 32.795931 Longitude: -104.199918

Provided GPS are in WGS84 format.

Site Name:	Enron State CTB	Site Type:	Tank Battery
Date Release Discovered:	10/19/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
C	32	17S	28E	Eddy

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name Concho Oil and Gas LLC)

Nature and Volume of Release

[X] Crude Oil	Volume Released (bbls) 22	Volume Recovered (bbls) 16
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[ ] Yes [ ] 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:
Release was attributed to a leak in a fire tube.

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?	> 55'
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
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Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☐ Yes ☒ No

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, 4 & 5.

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 and NMOCD Reclamation Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Method	Closure Criteria	Reclamation Standard*
> 55'	Chloride	EPA 300.0 or SM4500 Cl B	10,000 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

* The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas.

4.0 INITIAL SITE ASSESSMENT

On October 23, 2020, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores 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 Volatile Organic Compounds utilizing a Photoionization Detector (PID) and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, twelve (12) delineation soil samples (NH @ Surface, NH @ 1', EH @ Surface, EH @ 1', SH @ Surface, SH @ 1', WH @ Surface, WH @ 1', SP1 @ Surface, SP1 @ 6" R, SP2 @ Surface, and SP2 @ 6" R) were submitted to a certified commercial laboratory for analysis of BTEX, TPH and chloride. Based on laboratory analytical results, the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined. Due to auger refusal, vertical delineation was not achieved at sample points SP1 and SP2.

On October 30, 2020, Etech resumed the initial site assessment. During the visit, a series of test trenches were advanced within the release margins in an effort to determine the vertical extent of soil impacts. During the advancement of the test trenches, field soil samples were collected and field-screened utilizing a PID and/or chloride test kit.

Based on field observations and field test data, two (2) delineation soil samples (T.T. SP1 @ 4’ and T.T. SP2 @ 5’) were submitted to the laboratory for analysis of BTEX and TPH. Based on laboratory analytical results, soil was not impacted above the NMOCD Closure Criteria beyond 4’ below ground surface (bgs) at sample point SP1 and five (5) feet bgs at SP2.

A "Site & Sample Location Map" is provided as Figure 3. A "Soil Chemistry Table" is provided as Table 1. Field data and soil profile logs are provided as Appendix B. Laboratory Analytical Reports are provided in Appendix C.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment, Grizzly Energy, LLC, proposes 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 within the release margins.
• The floor and sidewalls of the excavated area until laboratory analytical results indicate that BTEX, TPH, and chloride concentrations are below the NMOCD Closure Criteria or until further excavation is inhibited by on-site surface equipment.
• Impacted soil affected above the NMOCD Closure Criteria adjacent to and beneath the on-site equipment will be excavated by hand to the maximum extent practicable, if necessary. Grizzly maintains
• Temporarily stockpile excavated soil on-site, then transport it to an NMOCD-approved surface waste facility for disposal.
• Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted "like" material.
• Upon completion of remediation activities, a *Remediation Summary and Soil Closure Request* or *Deferral Request* will be prepared detailing remediation activities and laboratory analytical results from confirmation soil samples.
• Remediation of impacted soil affected above the NMOCD Closure Criteria beneath and adjacent to on-site surface equipment will be conducted in accordance with Section 19.15.29.12 of the New Mexico Administrative Code upon abandoning and decommissioning the facility.

6.0 SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite excavation confirmation soil samples will be collected from the excavation sidewalls in each cardinal direction, representing no more than 50 linear ft. A minimum of one (1) representative five-point composite excavation confirmation soil sample will be collected from the base of the excavated area representing every 200 square feet. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary.

7.0 TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within 90 days of receiving necessary approval(s) of the Site Assessment Summary and Proposed Remediation Plan. Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment it is estimated that approximately 140 cubic yards is in need of removal.

8.0 RESTORATION, RECLAMATION AND RE-VEGETATION PLAN

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. The release was limited to an active production facility therefore reseeding will not be necessary. Final reclamation of impacted soil affected above the NMOCD Reclamation Standard present within the active facility will be conducted in accordance with Section 19.15.29.13 of the New Mexico Administrative Code upon abandoning and decommissioning the facility.

9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Site Assessment Report and Proposed Remediation Plan 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 without the consent of Etech and/or Grizzly Energy, LLC.

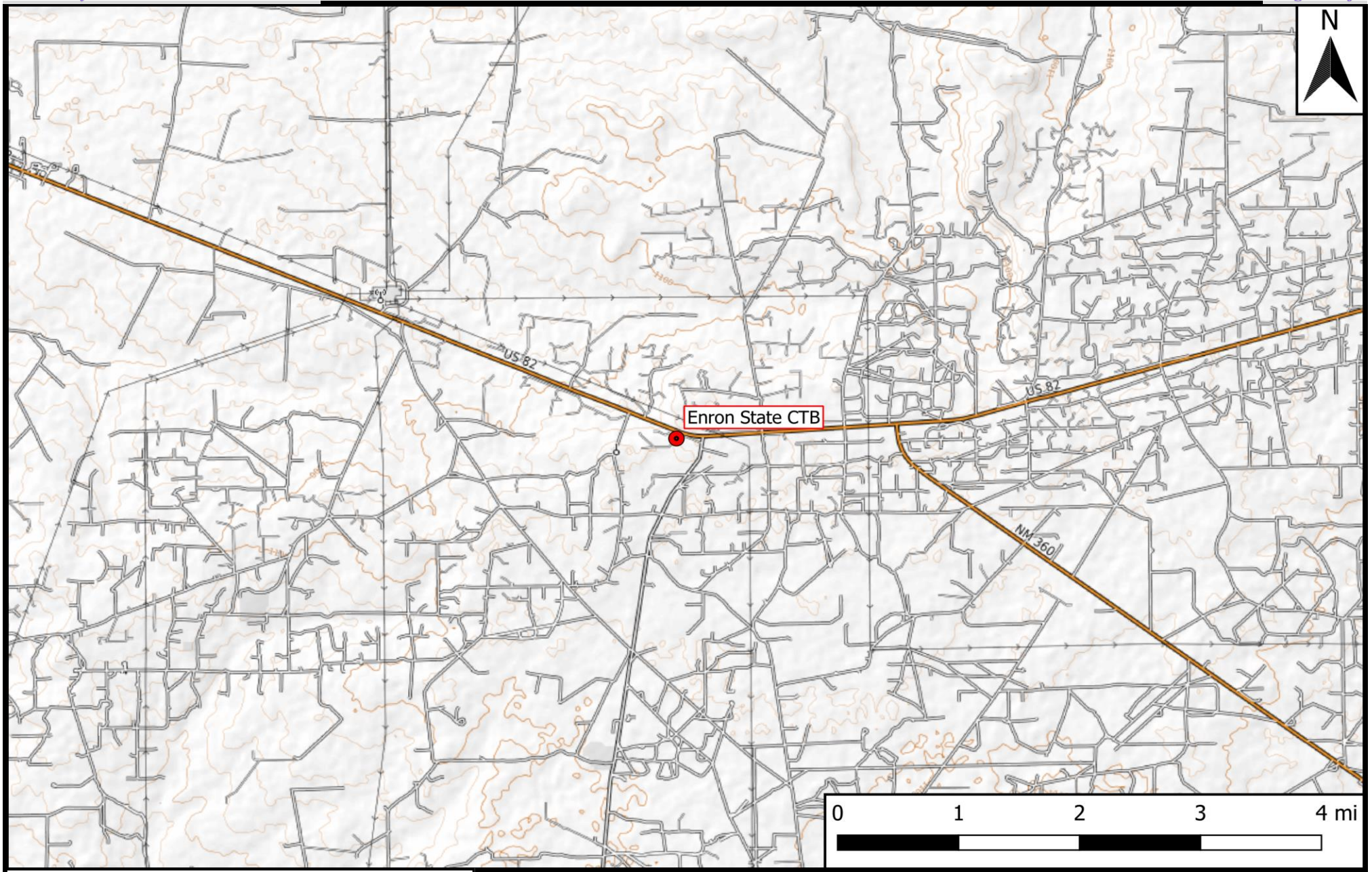
10.0 DISTRIBUTION

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

(Electronic Submission)

Figure 1
Topographic Map



Legend

Site Location

Figure 1

Topographic Map

Grizzly Energy, LLC

Enron State CTB

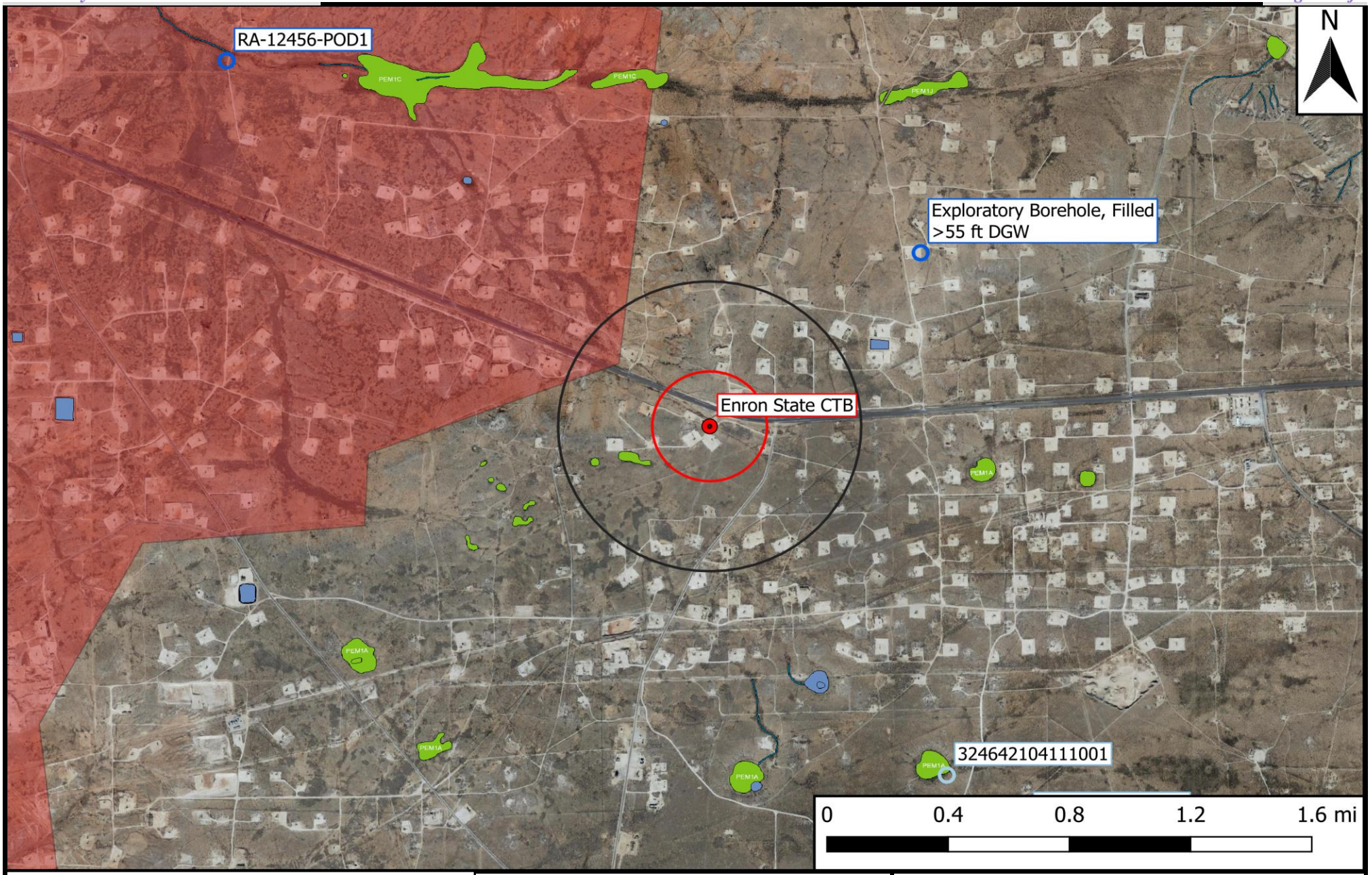
GPS: 32.795931, -104.199918

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 10/20/20

Figure 2
Aerial Proximity Map



Legend

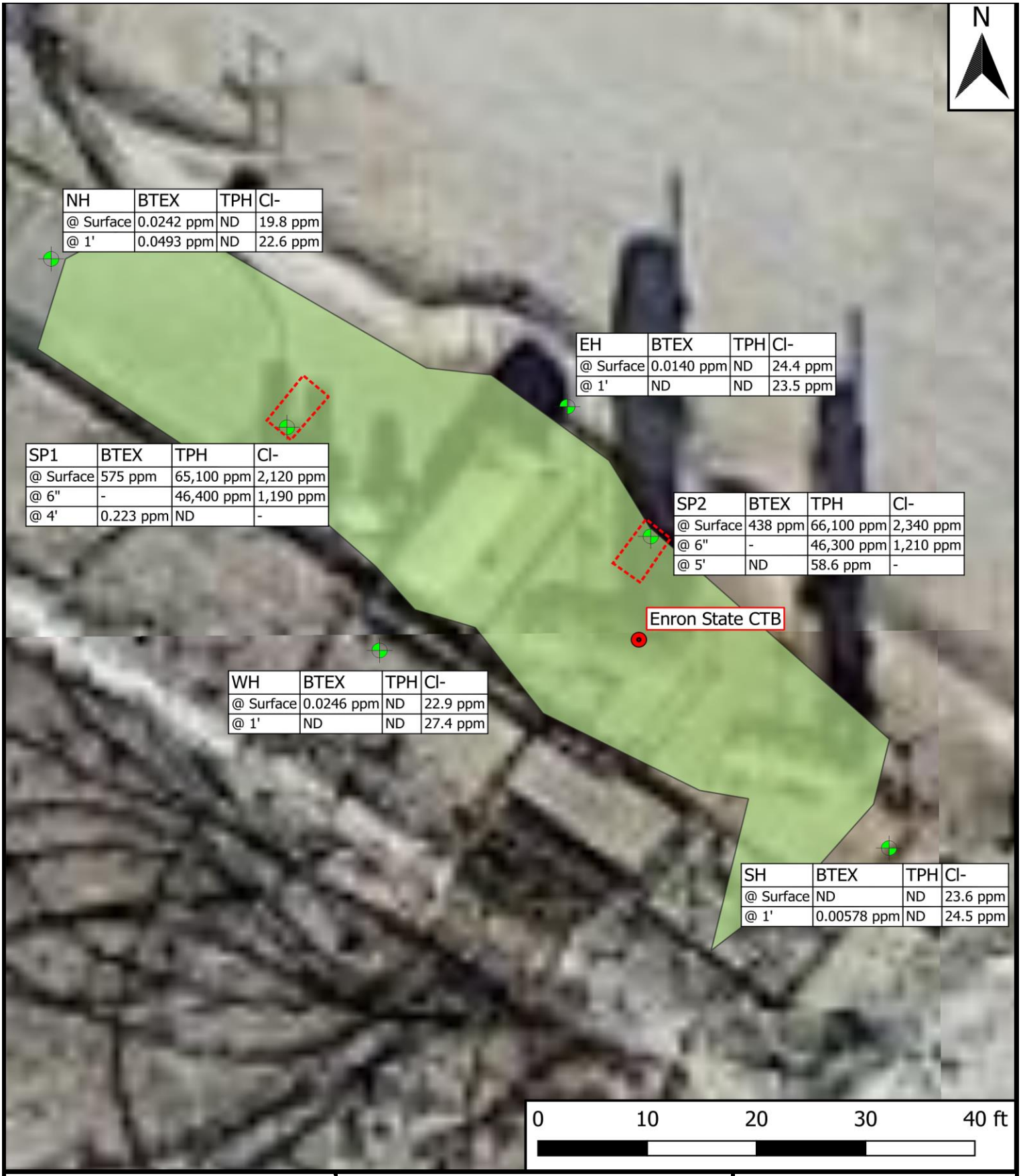
- Site Location
- Well - NMOSE
- Well - USGS
- High Karst
- Potash Mine Workings
- 0.5 Mi Radius
- 1000 Ft Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2
Aerial Map
Grizzly Energy, LLC
Enron State CTB
GPS: 32.795931, -104.199918
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 10/20/20

Figure 3
Site and Sample Location Map



Legend

- Sample Point
- Site Location
- Test Trench
- Release Area

Figure 3

Site and Sample Location Map

Grizzly Energy, LLC

Enron State CTB

GPS: 32.795931, -104.199918

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl Date: 11/20/20

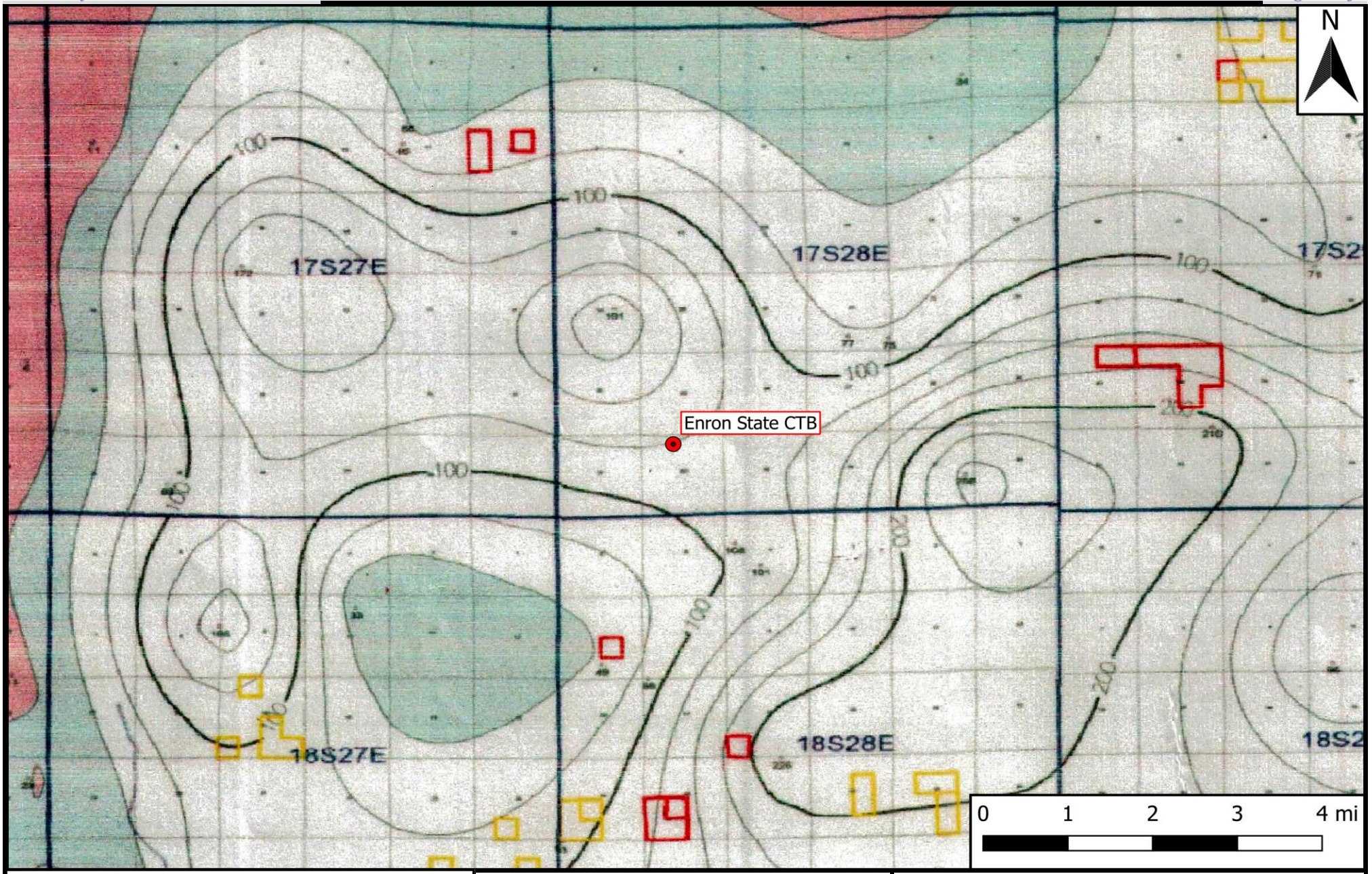
Table 1
Concentrations of BTEX, TPH, and/or Chloride in Soil

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Grizzly Energy, LLC
Enron State CTB
NMOCD Ref. #: nRM2028762234

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
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)**
NH @ Surface	10/23/2020	0'	In-Situ	0.0106	0.0242	<50.0	<50.0	<50.0	<50.0	<50.0	19.8
NH @ 1'	10/23/2020	1'	In-Situ	0.0239	0.0493	<50.0	<50.0	<50.0	<50.0	<50.0	22.6
EH @ Surface	10/23/2020	0'	In-Situ	0.00823	0.0140	<50.0	<50.0	<50.0	<50.0	<50.0	24.4
EH @ 1'	10/23/2020	1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	23.5
SH @ Surface	10/23/2020	0'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	23.6
SH @ 1'	10/23/2020	1'	In-Situ	0.00378	0.00578	<50.0	<50.0	<50.0	<50.0	<50.0	24.5
WH @ Surface	10/23/2020	0'	In-Situ	0.0129	0.0246	<50.0	<50.0	<50.0	<50.0	<50.0	22.9
WH @ 1'	10/23/2020	1'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	27.4
SP1 @ Surface	10/23/2020	0'	In-Situ	**19.1**	**575**	9,790	51,700	**61,500**	3,640	**65,100**	2,120
SP1 @ 6" R	10/23/2020	6"	In-Situ	-	-	10,500	33,800	**44,300**	2,090	**46,400**	1,190
SP2 @ Surface	10/23/2020	0'	In-Situ	**16.7**	**438**	7,870	54,100	**62,000**	4,120	**66,100**	2,340
SP2 @ 6" R	10/23/2020	6"	In-Situ	-	-	10,400	33,700	**44,100**	2,210	**46,300**	1,210
T.T. SP1 @ 4'	10/30/2020	4'	In-Situ	<0.0199	0.233	<50.0	<50.0	<50.0	<50.0	<50.0	-
T.T. SP2 @ 5'	10/30/2020	5'	In-Situ	<0.00200	<0.00200	<49.9	58.6	58.6	<49.9	58.6	-

NOTES:
- = Sample not analyzed for that 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 State CTB

GPS: 32.795931, -104.199918

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 10/20/20

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 12456 POD1		RA	ED	1	4	4	24	17S	27E	572348	3630969	3266	220	92	128
RA 11857 POD1		RA	ED	1	1	2	05	18S	26E	577784	3625988	4123	235	95	140
RA 04561		RA	ED		4	2	26	17S	27E	570871	3630142*	4214	250		

Average Depth to Water: **93 feet**

Minimum Depth: **92 feet**

Maximum Depth: **95 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 574912.92 **Northing (Y):** 3628947.52 **Radius:** 4830

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

10/20/20 1:28 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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	Twn	Rng	X	Y
	RA 11857 POD1	1	1	2	05	18S	26E	577784	3625988

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN

Driller Name: MARTIN, DELFORD

Drill Start Date:	09/25/2012	**Drill Finish Date:**	10/01/2012	**Plug Date:**	
Log File Date:	10/15/2012	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	95 GPM
Casing Size:	5.00	**Depth Well:**	235 feet	**Depth Water:**	95 feet

Water Bearing Stratifications:	Top	Bottom	Description
	95	130	Sandstone/Gravel/Conglomerate
	160	235	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	140	235

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	Twn	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

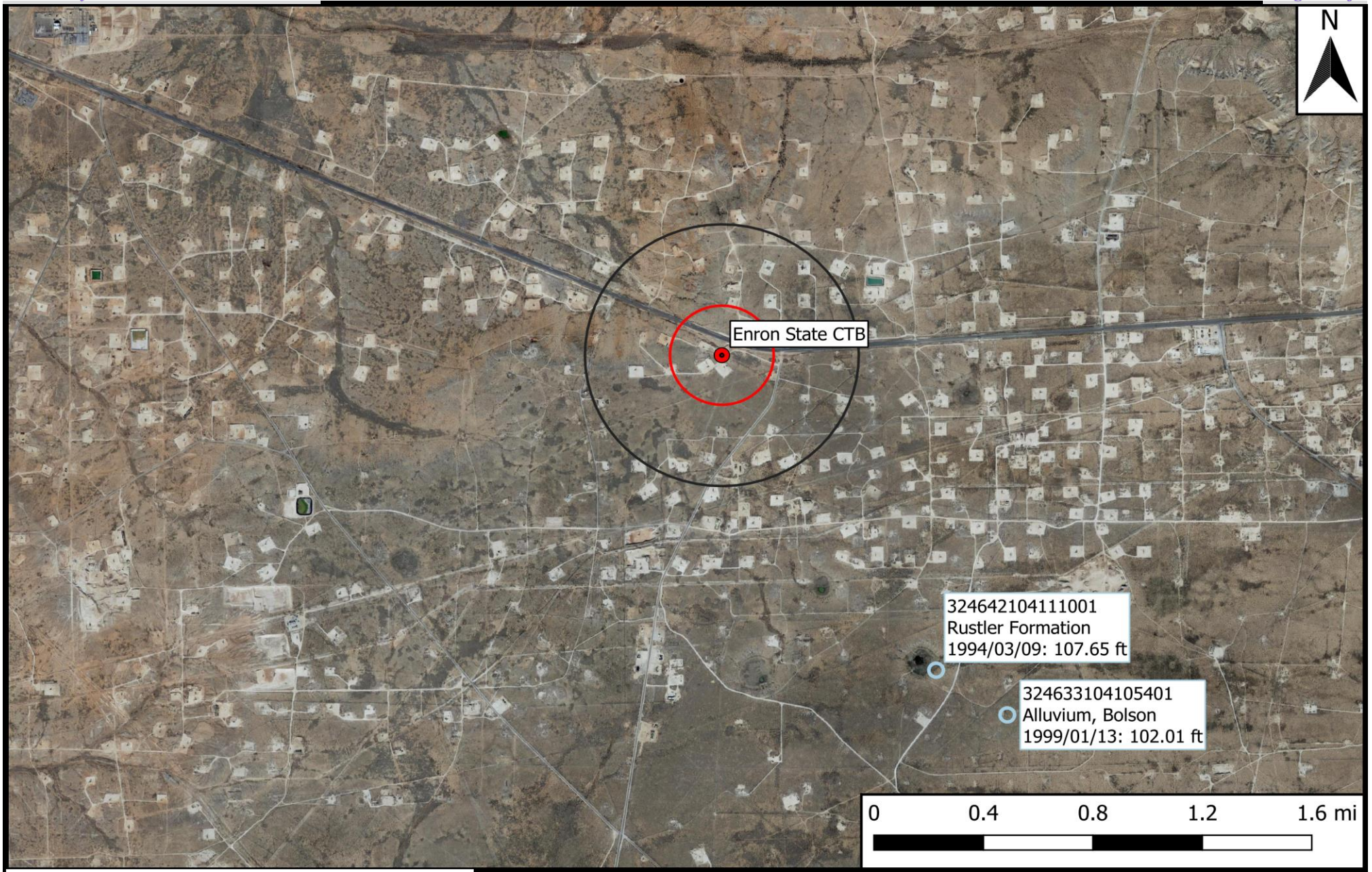
Drill Start Date:	09/07/2016	**Drill Finish Date:**	09/09/2016	**Plug Date:**	
Log File Date:	09/15/2016	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	4.50	**Depth Well:**	220 feet	**Depth Water:**	92 feet

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 State CTB
GPS: 32.795931, -104.199918
Eddy County

ETECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 10/20/20

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 =
- 324633104105401

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324633104105401 18S.28E.04.32412

Eddy County, New Mexico
Latitude 32°46'33", Longitude 104°10'54" NAD27
Land-surface elevation 3,665 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Wate level appr statu
1985-06-04		D	103.08			2		U			U
1989-02-02		D	107.27			2		U			U
1994-03-09		D	100.78			2		S			U
1999-01-13		D	102.01			2		S	USGS		S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site

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 =
- 324642104111001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324642104111001 18S.28E.04.131444

Eddy County, New Mexico
Latitude 32°46'42", Longitude 104°11'10" NAD27
Land-surface elevation 3,640 feet above NGVD29
The depth of the well is 145.00 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Wate level appr statu
1985-06-04		D	109.39			2	Z	S		U	
1990-09-19		D	106.60			2	Z	S		U	
1994-03-09		D	107.65			2	Z	S		U	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status	Z	Other conditions existed that would affect the measured water level (explain in remarks).
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms

Subscribe for system updates
News

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: 2020-10-20 15:25:10 EDT
0.26 0.24 nadww01

Appendix B
Field Data and Soil Profile Logs

ETECH Environmental & Safety Solutions, Inc.

Initial Release Assessment Form

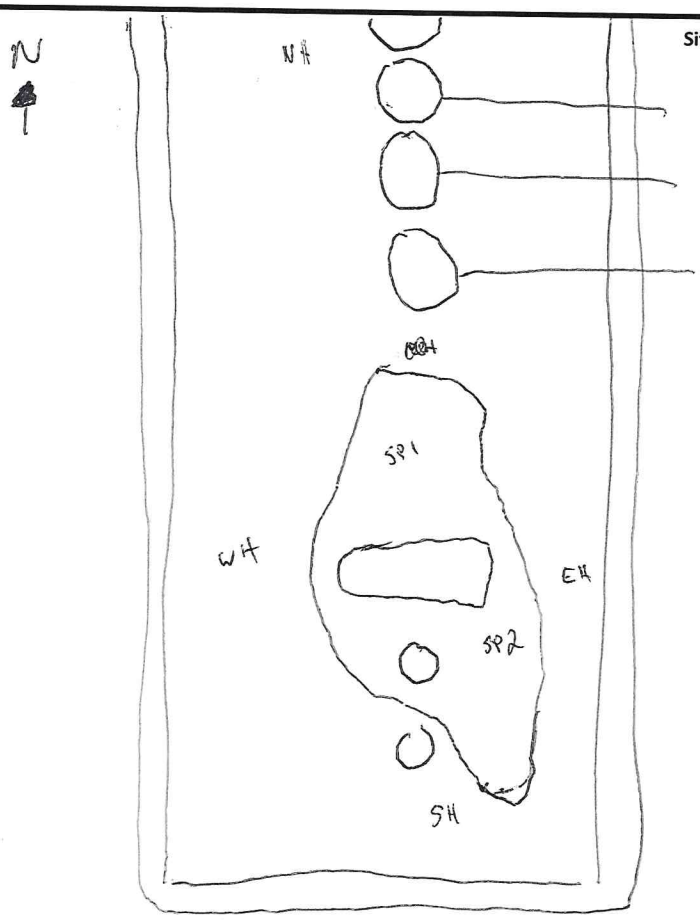
Date: 10.23.20

Project: Enron State CTB

Clean Up Level: 10000 Cl, 2500 TPH ~~1000~~ GRO+DRO

Project Number: 13213 Latitude: 32.795931 Longitude: -104.199918

Site Diagram



Notes:

- conducted IRA
- 4 Horizontal / 2 verticals
- Stained
- Rocky
- Had to step away to get Horizontals because the pad smelled like gas
- Hard ground after a couple inches

~Length: 35' ~Width: 15' ~Area: ~Depth: 0 - 6"

	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: 10.23.20

Project: Enron State CTB

Project Number: 13213 Latitude: 32.795931 Longitude: -104.199918

Sample ID	PID/Odor	Chloride Conc.	GPS
NH@surface	none	120	
NH@1'	none	184	
EH@surface	none	120	
EH @1'	none	120	
SH @ surface	none	184	
SH@ 1'	none	<120	
WH @surface	none	120	
WH @1'	none	184	
SP1@ surface	strong	1012	
SP1@ 6"-R	strong	628 -BTEX	
SP2@surface	strong	1012	
SP2@6"-R	strong	788 -BTEX	

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

Date: 10/30/20

Project: Enron State CTB

Project Number: 13213 Latitude: 32.795931 Longitude: -104.199918

Depth (ft. bgs)	Description
1	Caliche Pad / Gravel
2	
3	Dirt/clay
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
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Appendix C
Laboratory Analytical Reports

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Certificate of Analysis Summary 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron State CTB

Project Id: 13213
Contact: PM
Project Location: Rural Lea County, NM

Date Received in Lab: Mon 10.26.2020 00:00
Report Date: 10.30.2020 16:27
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	676070-001		676070-002		676070-003		676070-004		676070-005		676070-006	
	Field Id:	NH @ Surface		NH @ 1'		EH @ Surface		EH @ 1'		SH @ Surface		SH @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.29.2020 08:30		10.29.2020 08:30		10.29.2020 08:30		10.27.2020 16:00		10.27.2020 16:00		10.29.2020 08:30	
	Analyzed:	10.29.2020 18:00		10.29.2020 18:20		10.29.2020 18:41		10.28.2020 04:20		10.28.2020 04:41		10.29.2020 19:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0.0106	0.00198	0.0239	0.00201	0.00823	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.00378	0.00200
Toluene		0.0113	0.00198	0.0254	0.00201	0.00574	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.00200	0.00200
Ethylbenzene		0.00233	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00402	0.00402	<0.00398	0.00398	<0.00398	0.00398	<0.00402	0.00402	<0.00400	0.00400
o-Xylene		<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		0.0242	0.00198	0.0493	0.00201	0.0140	0.00199	<0.00199	0.00199	<0.00201	0.00201	0.00578	0.00200
Chloride by EPA 300	***Extracted:***	10.27.2020 14:25		10.27.2020 14:25		10.27.2020 14:25		10.27.2020 14:25		10.27.2020 14:25		10.27.2020 14:25	
	Analyzed:	10.28.2020 02:59		10.28.2020 03:15		10.28.2020 03:20		10.28.2020 03:36		10.28.2020 03:41		10.28.2020 03:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		19.8 X	4.99	22.6	4.95	24.4	5.01	23.5	4.98	23.6	4.99	24.5	5.02
TPH By SW8015 Mod	***Extracted:***	10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00	
	Analyzed:	10.26.2020 11:14		10.26.2020 12:12		10.26.2020 12:31		10.26.2020 12:50		10.26.2020 13:10		10.26.2020 13:29	
	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	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<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)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron State CTB

Project Id: 13213
Contact: PM
Project Location: Rural Lea County, NM

Date Received in Lab: Mon 10.26.2020 00:00
Report Date: 10.30.2020 16:27
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	676070-007		676070-008		676070-009		676070-010		676070-011		676070-012	
	Field Id:	WH @ Surface		WH @ 1'		SP1 @ Surface		SP1 @ 6" R		SP2 @ Surface		SP2 @ 6" R	
	Depth:			1- ft				6- In				6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00		10.23.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	10.29.2020 08:30		10.27.2020 16:00		10.29.2020 08:30				10.29.2020 08:30			
	Analyzed:	10.29.2020 19:22		10.28.2020 07:03		10.29.2020 19:43				10.29.2020 20:03			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			mg/kg	RL		
Benzene		0.0129	0.00200	<0.00199	0.00199	19.1	0.495			16.7	0.498		
Toluene		0.0117	0.00200	<0.00199	0.00199	194 D	0.990			198 D	0.996		
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	185 D	0.990			94.8	0.498		
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	124	0.990			91.6	0.996		
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	53.0	0.495			37.3	0.498		
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	177	0.495			129	0.498		
Total BTEX		0.0246	0.00200	<0.00199	0.00199	575	0.495			438	0.498		
Chloride by EPA 300	***Extracted:***	10.27.2020 14:25		10.27.2020 14:25		10.27.2020 14:25		10.27.2020 14:25		10.27.2020 15:00		10.27.2020 15:00	
	Analyzed:	10.28.2020 03:52		10.28.2020 03:57		10.28.2020 04:02		10.28.2020 04:07		10.27.2020 21:24		10.27.2020 21:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22.9	5.02	27.4	5.02	2120	25.2	1190	4.99	2340	25.2	1210	5.01
TPH By SW8015 Mod	***Extracted:***	10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00		10.26.2020 11:00	
	Analyzed:	10.26.2020 13:47		10.26.2020 14:06		10.26.2020 14:25		10.26.2020 14:43		10.26.2020 15:21		10.26.2020 15:40	
	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	9790	498	10500	250	7870	500	10400	249
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	51700	498	33800	250	54100	500	33700	249
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	3640	498	2090	250	4120	500	2210	249
Total TPH		<50.0	50.0	<49.9	49.9	65100	498	46400	250	66100	500	46300	249

BRL - Below Reporting Limit

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

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 676070

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Enron State CTB

13213

10.30.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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10.30.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **676070**
Enron State CTB
Project Address: Rural Lea County, NM

PM :

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 Eurofins Xenco, LLC Report Number(s) 676070. 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 Eurofins Xenco, LLC. 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. 676070 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 Eurofins Xenco, LLC 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

A Small Business and Minority Company

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

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Sample Cross Reference 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NH @ Surface	S	10.23.2020 00:00		676070-001
NH @ 1'	S	10.23.2020 00:00	1 ft	676070-002
EH @ Surface	S	10.23.2020 00:00		676070-003
EH @ 1'	S	10.23.2020 00:00	1 ft	676070-004
SH @ Surface	S	10.23.2020 00:00		676070-005
SH @ 1'	S	10.23.2020 00:00	1 ft	676070-006
WH @ Surface	S	10.23.2020 00:00		676070-007
WH @ 1'	S	10.23.2020 00:00	1 ft	676070-008
SP1 @ Surface	S	10.23.2020 00:00		676070-009
SP1 @ 6" R	S	10.23.2020 00:00	6 In	676070-010
SP2 @ Surface	S	10.23.2020 00:00		676070-011
SP2 @ 6" R	S	10.23.2020 00:00	6 In	676070-012

eurofins | Environment Testing Xenco

CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Enron State CTB

Project ID: *13213*
Work Order Number(s): *676070*

Report Date: *10.30.2020*
Date Received: *10.26.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3140675 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 676070-010.

Batch: LBA-3140774 Chloride by EPA 300

Lab Sample ID 676070-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 676070-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3140792 BTEX by EPA 8021B

Surrogate 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 676070-005.
Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 676070-005,676070-004.

Batch: LBA-3140944 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.
Samples affected are: 676070-011,676070-009.

eurofins | Environment Testing Xenco

Certificate of Analytical Results 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id: **NH @ Surface** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-001 Date Collected: 10.23.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.8**	4.99	mg/kg	10.28.2020 02:59	X	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.26.2020 11:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.26.2020 11:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.26.2020 11:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.26.2020 11:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	10.26.2020 11:14	
o-Terphenyl	84-15-1	98	%	70-130	10.26.2020 11:14	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id: **NH @ Surface** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-001 Date Collected: 10.23.2020 00:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 10.29.2020 08:30 % Moisture:

Seq Number: 3140944 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0106**	0.00198	mg/kg	10.29.2020 18:00		1
Toluene	108-88-3	**0.0113**	0.00198	mg/kg	10.29.2020 18:00		1
Ethylbenzene	100-41-4	**0.00233**	0.00198	mg/kg	10.29.2020 18:00		1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	10.29.2020 18:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.29.2020 18:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.29.2020 18:00	U	1
Total BTEX		**0.0242**	0.00198	mg/kg	10.29.2020 18:00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	10.29.2020 18:00	
1,4-Difluorobenzene	540-36-3	94	%	70-130	10.29.2020 18:00	

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Sample Id: **NH @ 1'** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-002 Date Collected: 10.23.2020 00:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.6**	4.95	mg/kg	10.28.2020 03:15		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.26.2020 12:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.26.2020 12:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.26.2020 12:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.26.2020 12:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	10.26.2020 12:12	
o-Terphenyl	84-15-1	102	%	70-130	10.26.2020 12:12	

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Sample Id:	**NH @ 1'**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-002	Date Collected:	10.23.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 08:30	% Moisture:	
Seq Number:	3140944			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0239**	0.00201	mg/kg	10.29.2020 18:20		1
Toluene	108-88-3	**0.0254**	0.00201	mg/kg	10.29.2020 18:20		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.29.2020 18:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.29.2020 18:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.29.2020 18:20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.29.2020 18:20	U	1
Total BTEX		**0.0493**	0.00201	mg/kg	10.29.2020 18:20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	70-130	10.29.2020 18:20	
4-Bromofluorobenzene	460-00-4	103	%	70-130	10.29.2020 18:20	

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Sample Id: **EH @ Surface** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-003 Date Collected: 10.23.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.4**	5.01	mg/kg	10.28.2020 03:20		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.26.2020 12:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.26.2020 12:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.26.2020 12:31	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.26.2020 12:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	10.26.2020 12:31	
o-Terphenyl	84-15-1	100	%	70-130	10.26.2020 12:31	

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Sample Id: **EH @ Surface**
Matrix: Soil
Date Received:10.26.2020 00:00
Lab Sample Id: 676070-003
Date Collected: 10.23.2020 00:00

Analytical Method: BTEX by EPA 8021B
Prep Method: SW5035A
Tech: KTL
Analyst: KTL
Date Prep: 10.29.2020 08:30
% Moisture:
Basis: Wet Weight
Seq Number: 3140944

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00823**	0.00199	mg/kg	10.29.2020 18:41		1
Toluene	108-88-3	**0.00574**	0.00199	mg/kg	10.29.2020 18:41		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.29.2020 18:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.29.2020 18:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.29.2020 18:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.29.2020 18:41	U	1
Total BTEX		**0.0140**	0.00199	mg/kg	10.29.2020 18:41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	10.29.2020 18:41	
1,4-Difluorobenzene	540-36-3	89	%	70-130	10.29.2020 18:41	

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Sample Id: **EH @ 1'** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-004 Date Collected: 10.23.2020 00:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.5**	4.98	mg/kg	10.28.2020 03:36		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.26.2020 12:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.26.2020 12:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.26.2020 12:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.26.2020 12:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	10.26.2020 12:50	
o-Terphenyl	84-15-1	102	%	70-130	10.26.2020 12:50	

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Sample Id:	**EH @ 1'**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-004	Date Collected:	10.23.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.27.2020 16:00	% Moisture:	
Seq Number:	3140792			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.28.2020 04:20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.28.2020 04:20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.28.2020 04:20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.28.2020 04:20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.28.2020 04:20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.28.2020 04:20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.28.2020 04:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	41	%	70-130	10.28.2020 04:20	**
1,4-Difluorobenzene	540-36-3	117	%	70-130	10.28.2020 04:20	

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Sample Id: **SH @ Surface** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-005 Date Collected: 10.23.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.6**	4.99	mg/kg	10.28.2020 03:41		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.26.2020 13:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	10.26.2020 13:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.26.2020 13:10	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	10.26.2020 13:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	10.26.2020 13:10	
o-Terphenyl	84-15-1	98	%	70-130	10.26.2020 13:10	

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Sample Id:	**SH @ Surface**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-005	Date Collected:	10.23.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.27.2020 16:00	% Moisture:	
Seq Number:	3140792			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.28.2020 04:41	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.28.2020 04:41	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.28.2020 04:41	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.28.2020 04:41	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.28.2020 04:41	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.28.2020 04:41	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.28.2020 04:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	45	%	70-130	10.28.2020 04:41	**
1,4-Difluorobenzene	540-36-3	14	%	70-130	10.28.2020 04:41	**

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Sample Id:	**SH @ 1'**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-006	Date Collected:	10.23.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.27.2020 14:25	% Moisture:	
Seq Number:	3140774			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.5**	5.02	mg/kg	10.28.2020 03:46		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.26.2020 11:00	% Moisture:	
Seq Number:	3140675			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.26.2020 13:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.26.2020 13:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.26.2020 13:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.26.2020 13:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	10.26.2020 13:29	
o-Terphenyl	84-15-1	102	%	70-130	10.26.2020 13:29	

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Sample Id:	**SH @ 1'**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-006	Date Collected:	10.23.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 08:30	% Moisture:	
Seq Number:	3140944			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00378**	0.00200	mg/kg	10.29.2020 19:02		1
Toluene	108-88-3	**0.00200**	0.00200	mg/kg	10.29.2020 19:02		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.29.2020 19:02	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	10.29.2020 19:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.29.2020 19:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.29.2020 19:02	U	1
Total BTEX		**0.00578**	0.00200	mg/kg	10.29.2020 19:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	10.29.2020 19:02	
1,4-Difluorobenzene	540-36-3	88	%	70-130	10.29.2020 19:02	

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Sample Id: **WH @ Surface** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-007 Date Collected: 10.23.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.9**	5.02	mg/kg	10.28.2020 03:52		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.26.2020 13:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.26.2020 13:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.26.2020 13:47	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.26.2020 13:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	10.26.2020 13:47	
o-Terphenyl	84-15-1	100	%	70-130	10.26.2020 13:47	

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Sample Id:	**WH @ Surface**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-007	Date Collected:	10.23.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 08:30	% Moisture:	
Seq Number:	3140944			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0129**	0.00200	mg/kg	10.29.2020 19:22		1
Toluene	108-88-3	**0.0117**	0.00200	mg/kg	10.29.2020 19:22		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.29.2020 19:22	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.29.2020 19:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.29.2020 19:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.29.2020 19:22	U	1
Total BTEX		**0.0246**	0.00200	mg/kg	10.29.2020 19:22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	10.29.2020 19:22	
1,4-Difluorobenzene	540-36-3	94	%	70-130	10.29.2020 19:22	

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Sample Id: **WH @ 1'** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-008 Date Collected: 10.23.2020 00:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.4**	5.02	mg/kg	10.28.2020 03:57		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.26.2020 14:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.26.2020 14:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.26.2020 14:06	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.26.2020 14:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	10.26.2020 14:06	
o-Terphenyl	84-15-1	100	%	70-130	10.26.2020 14:06	

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Sample Id:	**WH @ 1'**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-008	Date Collected:	10.23.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.27.2020 16:00	% Moisture:	
Seq Number:	3140792			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.28.2020 07:03	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.28.2020 07:03	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.28.2020 07:03	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.28.2020 07:03	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.28.2020 07:03	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.28.2020 07:03	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.28.2020 07:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	10.28.2020 07:03	
1,4-Difluorobenzene	540-36-3	94	%	70-130	10.28.2020 07:03	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id: **SP1 @ Surface** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-009 Date Collected: 10.23.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 14:25 % Moisture:

Seq Number: 3140774 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2120**	25.2	mg/kg	10.28.2020 04:02		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**9790**	498	mg/kg	10.26.2020 14:25		10
Diesel Range Organics (DRO)	C10C28DRO	**51700**	498	mg/kg	10.26.2020 14:25		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**3640**	498	mg/kg	10.26.2020 14:25		10
Total TPH	PHC635	**65100**	498	mg/kg	10.26.2020 14:25		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-130	10.26.2020 14:25	
o-Terphenyl	84-15-1	107	%	70-130	10.26.2020 14:25	

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Certificate of Analytical Results 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id:	**SP1 @ Surface**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-009	Date Collected:	10.23.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 08:30	% Moisture:	
Seq Number:	3140944			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**19.1**	0.495	mg/kg	10.29.2020 19:43		250
Toluene	108-88-3	**194**	0.990	mg/kg	10.30.2020 12:54	D	500
Ethylbenzene	100-41-4	**185**	0.990	mg/kg	10.30.2020 12:54	D	500
m,p-Xylenes	179601-23-1	**124**	0.990	mg/kg	10.29.2020 19:43		250
o-Xylene	95-47-6	**53.0**	0.495	mg/kg	10.29.2020 19:43		250
Total Xylenes	1330-20-7	**177**	0.495	mg/kg	10.29.2020 19:43		250
Total BTEX		**575**	0.495	mg/kg	10.30.2020 12:54		500

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	10.29.2020 19:43	
4-Bromofluorobenzene	460-00-4	177	%	70-130	10.29.2020 19:43	**

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Certificate of Analytical Results 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id:	**SP1 @ 6" R**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-010	Date Collected:	10.23.2020 00:00	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.27.2020 14:25	% Moisture:	
Seq Number:	3140774			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1190**	4.99	mg/kg	10.28.2020 04:07		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.26.2020 11:00	% Moisture:	
Seq Number:	3140675			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**10500**	250	mg/kg	10.26.2020 14:43		5
Diesel Range Organics (DRO)	C10C28DRO	**33800**	250	mg/kg	10.26.2020 14:43		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**2090**	250	mg/kg	10.26.2020 14:43		5
Total TPH	PHC635	**46400**	250	mg/kg	10.26.2020 14:43		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	10.26.2020 14:43	
o-Terphenyl	84-15-1	63	%	70-130	10.26.2020 14:43	***

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Certificate of Analytical Results 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id: **SP2 @ Surface** Matrix: Soil Date Received:10.26.2020 00:00

Lab Sample Id: 676070-011 Date Collected: 10.23.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 10.27.2020 15:00 % Moisture:

Seq Number: 3140775 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2340**	25.2	mg/kg	10.27.2020 21:24		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.26.2020 11:00 % Moisture:

Seq Number: 3140675 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**7870**	500	mg/kg	10.26.2020 15:21		10
Diesel Range Organics (DRO)	C10C28DRO	**54100**	500	mg/kg	10.26.2020 15:21		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**4120**	500	mg/kg	10.26.2020 15:21		10
Total TPH	PHC635	**66100**	500	mg/kg	10.26.2020 15:21		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	10.26.2020 15:21	
o-Terphenyl	84-15-1	111	%	70-130	10.26.2020 15:21	

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Certificate of Analytical Results 676070

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State CTB

Sample Id:	**SP2 @ Surface**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-011	Date Collected:	10.23.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.29.2020 08:30	% Moisture:	
Seq Number:	3140944			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**16.7**	0.498	mg/kg	10.29.2020 20:03		250
Toluene	108-88-3	**198**	0.996	mg/kg	10.30.2020 13:15	D	500
Ethylbenzene	100-41-4	**94.8**	0.498	mg/kg	10.29.2020 20:03		250
m,p-Xylenes	179601-23-1	**91.6**	0.996	mg/kg	10.29.2020 20:03		250
o-Xylene	95-47-6	**37.3**	0.498	mg/kg	10.29.2020 20:03		250
Total Xylenes	1330-20-7	**129**	0.498	mg/kg	10.29.2020 20:03		250
Total BTEX		**438**	0.498	mg/kg	10.30.2020 13:15		500

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.29.2020 20:03	
4-Bromofluorobenzene	460-00-4	149	%	70-130	10.29.2020 20:03	**

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Certificate of Analytical Results 676070

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Enron State CTB

Sample Id:	**SP2 @ 6" R**	Matrix:	Soil	Date Received:	10.26.2020 00:00
Lab Sample Id:	676070-012	Date Collected:	10.23.2020 00:00	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	10.27.2020 15:00	% Moisture:	
Seq Number:	3140775			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1210**	5.01	mg/kg	10.27.2020 21:44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.26.2020 11:00	% Moisture:	
Seq Number:	3140675			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**10400**	249	mg/kg	10.26.2020 15:40		5
Diesel Range Organics (DRO)	C10C28DRO	**33700**	249	mg/kg	10.26.2020 15:40		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**2210**	249	mg/kg	10.26.2020 15:40		5
Total TPH	PHC635	**46300**	249	mg/kg	10.26.2020 15:40		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	10.26.2020 15:40	
o-Terphenyl	84-15-1	118	%	70-130	10.26.2020 15:40	

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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. **ND** Not Detected.

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 676070

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Etech Environmental & Safety Solution, Inc

Enron State CTB

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140774 — Matrix: Solid — Date Prep: 10.27.2020
MB Sample Id: 7714039-1-BLK — LCS Sample Id: 7714039-1-BKS — LCSD Sample Id: 7714039-1-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	271	108	274	110	90-110	1	20	mg/kg	10.28.2020 01:35	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140775 — Matrix: Solid — Date Prep: 10.27.2020
MB Sample Id: 7714042-1-BLK — LCS Sample Id: 7714042-1-BKS — LCSD Sample Id: 7714042-1-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	264	106	264	106	90-110	0	20	mg/kg	10.27.2020 21:11	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140774 — Matrix: Soil — Date Prep: 10.27.2020
Parent Sample Id: 676066-004 — MS Sample Id: 676066-004 S — MSD Sample Id: 676066-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	23.7	249	305	113	302	112	90-110	1	20	mg/kg	10.28.2020 01:50	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140774 — Matrix: Soil — Date Prep: 10.27.2020
Parent Sample Id: 676070-001 — MS Sample Id: 676070-001 S — MSD Sample Id: 676070-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	19.8	250	303	113	306	114	90-110	1	20	mg/kg	10.28.2020 03:04	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140775 — Matrix: Soil — Date Prep: 10.27.2020
Parent Sample Id: 676070-011 — MS Sample Id: 676070-011 S — MSD Sample Id: 676070-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2340	1260	3550	96	3550	96	90-110	0	20	mg/kg	10.27.2020 21:31	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140775 — Matrix: Soil — Date Prep: 10.27.2020
Parent Sample Id: 676071-009 — MS Sample Id: 676071-009 S — MSD Sample Id: 676071-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.7	250	283	109	282	108	90-110	0	20	mg/kg	10.27.2020 23:02	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

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QC Summary 676070

Etech Environmental & Safety Solution, Inc

Enron State CTB

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140675 — Matrix: Solid — Date Prep: 10.26.2020
MB Sample Id: 7713951-1-BLK — LCS Sample Id: 7713951-1-BKS — LCSD Sample Id: 7713951-1-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	821	82	829	83	70-130	1	20	mg/kg	10.26.2020 10:35	
Diesel Range Organics (DRO)	<50.0	1000	836	84	859	86	70-130	3	20	mg/kg	10.26.2020 10:35	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		111		103		70-130	%	10.26.2020 10:35
o-Terphenyl	94		112		110		70-130	%	10.26.2020 10:35

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140675 — Matrix: Solid — Date Prep: 10.26.2020
MB Sample Id: 7713951-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.26.2020 10:15	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3140675 — Matrix: Soil — Date Prep: 10.26.2020
Parent Sample Id: 676070-001 — MS Sample Id: 676070-001 S — MSD Sample Id: 676070-001 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	865	87	896	90	70-130	4	20	mg/kg	10.26.2020 11:33	
Diesel Range Organics (DRO)	<49.9	997	929	93	957	96	70-130	3	20	mg/kg	10.26.2020 11:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		105		70-130	%	10.26.2020 11:33
o-Terphenyl	99		108		70-130	%	10.26.2020 11:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140792 — Matrix: Solid — Date Prep: 10.27.2020
MB Sample Id: 7714071-1-BLK — LCS Sample Id: 7714071-1-BKS — LCSD Sample Id: 7714071-1-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	0.0839	84	0.0876	88	70-130	4	35	mg/kg	10.27.2020 23:44	
Toluene	<0.00200	0.100	0.0874	87	0.0925	93	70-130	6	35	mg/kg	10.27.2020 23:44	
Ethylbenzene	<0.00200	0.100	0.0978	98	0.102	102	70-130	4	35	mg/kg	10.27.2020 23:44	
m,p-Xylenes	<0.00400	0.200	0.179	90	0.185	93	70-130	3	35	mg/kg	10.27.2020 23:44	
o-Xylene	<0.00200	0.100	0.0946	95	0.0981	98	70-130	4	35	mg/kg	10.27.2020 23:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		102		97		70-130	%	10.27.2020 23:44
4-Bromofluorobenzene	94		108		107		70-130	%	10.27.2020 23:44

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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 676070

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Enron State CTB

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140944 — Matrix: Solid — Date Prep: 10.29.2020
MB Sample Id: 7714184-1-BLK — LCS Sample Id: 7714184-1-BKS — LCSD Sample Id: 7714184-1-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	0.0756	76	0.0845	85	70-130	11	35	mg/kg	10.29.2020 09:02	
Toluene	<0.00200	0.100	0.0843	84	0.0850	85	70-130	1	35	mg/kg	10.29.2020 09:02	
Ethylbenzene	<0.00200	0.100	0.0963	96	0.0905	91	70-130	6	35	mg/kg	10.29.2020 09:02	
m,p-Xylenes	<0.00400	0.200	0.200	100	0.180	90	70-130	11	35	mg/kg	10.29.2020 09:02	
o-Xylene	<0.00200	0.100	0.0988	99	0.0894	89	70-130	10	35	mg/kg	10.29.2020 09:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		98		101		70-130	%	10.29.2020 09:02
4-Bromofluorobenzene	93		107		98		70-130	%	10.29.2020 09:02

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140792 — Matrix: Soil — Date Prep: 10.27.2020
Parent Sample Id: 676071-011 — MS Sample Id: 676071-011 S — MSD Sample Id: 676071-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0707	71	0.0677	68	70-130	4	35	mg/kg	10.28.2020 00:26	X
Toluene	<0.00198	0.0992	0.0731	74	0.0639	64	70-130	13	35	mg/kg	10.28.2020 00:26	X
Ethylbenzene	<0.00198	0.0992	0.0751	76	0.0626	63	70-130	18	35	mg/kg	10.28.2020 00:26	X
m,p-Xylenes	<0.00397	0.198	0.133	67	0.110	56	70-130	19	35	mg/kg	10.28.2020 00:26	X
o-Xylene	<0.00198	0.0992	0.0705	71	0.0572	58	70-130	21	35	mg/kg	10.28.2020 00:26	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		99		70-130	%	10.28.2020 00:26
4-Bromofluorobenzene	112		105		70-130	%	10.28.2020 00:26

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3140944 — Matrix: Soil — Date Prep: 10.29.2020
Parent Sample Id: 676067-003 — MS Sample Id: 676067-003 S — MSD Sample Id: 676067-003 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	0.0996	0.0815	82	0.0720	72	70-130	12	35	mg/kg	10.29.2020 09:44	
Toluene	<0.00199	0.0996	0.0780	78	0.0701	70	70-130	11	35	mg/kg	10.29.2020 09:44	
Ethylbenzene	<0.00199	0.0996	0.0725	73	0.0666	67	70-130	8	35	mg/kg	10.29.2020 09:44	X
m,p-Xylenes	<0.00398	0.199	0.142	71	0.133	67	70-130	7	35	mg/kg	10.29.2020 09:44	X
o-Xylene	<0.00199	0.0996	0.0711	71	0.0664	66	70-130	7	35	mg/kg	10.29.2020 09:44	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		101		70-130	%	10.29.2020 09:44
4-Bromofluorobenzene	102		94		70-130	%	10.29.2020 09:44

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

XENCO

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

Work Order No: 676070

www.xenco.com Page 1 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Grizzly
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

Project Name:	Enron State CTB
Project Number:	13213
Project Location	Rural Lea County, NM
Sampler's Name:	Miguel Ramirez
PO #:	

Turn Around
Routine: ☑
Rush: ☐
Due Date:

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:

SAMPLE RECEIPT				
Temperature (°C):	10.2/10.7	Temp Blank:	Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID		1D8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005
NH @ surface	Soil	10.23.20		-	1	X	X	X	
NH @ 1'	Soil	10.23.20		1'	1	X	X	X	
EH @ surface	Soil	10.23.20		-	1	X	X	X	
EH @ 1'	Soil	10.2320		1'	1	X	X	X	
SH @ surface	Soil	10.2320		-	1	X	X	X	
SH @ 1'	Soil	10.23.20		1'	1	X	X	X	
WH @ surface	Soil	10.23.20		-	1	X	X	X	
WH @ 1'	Soil	10.23.20		1'	1	X	X	X	
SP1 @ surface	Soil	10.23.20		-	1	X	X	X	
SP1 @ 6"	Soil	10.23.20		6"	1	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		NR	3:22 10/23	2 NR		
3				4		
5				6		10/26 945

Revised Date 101419 Rev. 2019.1

XENCO

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

Work Order No: 6766070

www.xenco.com Page 2 of 2

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Grizzly
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

Project Name:	Enron State CTB
Project Number:	13213
Project Location	Rural Lea County, NM
Sampler's Name:	Miguel Ramirez
PO #:	

Turn Around: Routine: ☑ Rush: ☐ Due Date:

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:

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

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005
SP2 @ surface	Soil	10.23.20		—	1	X	X	X	
SP2 @ 6"-R	Soil	10.23.20		6"	1	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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date 101419 Rev. 2019.1


FO
ORIGIN ID:HOBA
MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US
BILL RECIPIENT
TO XENCO HOLD FOR PICKUP
FEDEX OFFICE PRINT & SHIP CENTER
FEDEX OFFICE PRINT & SHIP CENTER
200 W INTERSTATE 20
MIDLAND TX 79701
(432) 704-5440
REF:
INV:
PO:
DEPT:
565C2/A27E/05A2
FedEx
Express
J191219082001uv
SATURDAY HOLD
PRIORITY OVERNIGHT
HLD
MAFKI
TX-US LBB
TRK# 0201 9061 5135 1966
41 MAFA

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 10.26.2020 12.00.00 AM

Work Order #: 676070

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

Temperature Measuring device used : IR-8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.7	
#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**	BTEX was in bulk container
#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: 10.26.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 10.26.2020
Jessica Kramer

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Certificate of Analysis Summary 676594

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Enron State

Project Id: 13213
Contact: PM
Project Location: Rural Lea County, NM

Date Received in Lab: Mon 11.02.2020 11:00
Report Date: 11.06.2020 16:49
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	676594-001		676594-002					
	Field Id:	T.T. SP1 @ 4'		T.T. SP2 @ 5'					
	Depth:	4- ft		5- ft					
	Matrix:	SOIL		SOIL					
	Sampled:	10.30.2020 00:00		10.30.2020 00:00					
BTEX by EPA 8021B	***Extracted:***	11.05.2020 17:15		11.05.2020 17:15					
	Analyzed:	11.06.2020 11:24		11.06.2020 11:03					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.0199	0.0199	<0.00200	0.00200				
Toluene		0.0465	0.0199	<0.00200	0.00200				
Ethylbenzene		<0.0199	0.0199	<0.00200	0.00200				
m,p-Xylenes		0.0989	0.0398	<0.00399	0.00399				
o-Xylene		0.0880	0.0199	<0.00200	0.00200				
Total Xylenes		0.187	0.0199	<0.00200	0.00200				
Total BTEX		0.233	0.0199	<0.00200	0.00200				
TPH By SW8015 Mod	***Extracted:***	11.02.2020 11:15		11.02.2020 11:15					
	Analyzed:	11.02.2020 12:58		11.02.2020 13:57					
	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	58.6	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	58.6	49.9				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 676594

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Enron State

13213

11.06.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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11.06.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **676594**
Enron State
Project Address: Rural Lea County, NM

PM :

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 Eurofins Xenco, LLC Report Number(s) 676594. 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 Eurofins Xenco, LLC. 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. 676594 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 Eurofins Xenco, LLC 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

A Small Business and Minority Company

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

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Sample Cross Reference 676594

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
T.T. SP1 @ 4'	S	10.30.2020 00:00	4 ft	676594-001
T.T. SP2 @ 5'	S	10.30.2020 00:00	5 ft	676594-002

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CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Enron State

Project ID: *13213*
Work Order Number(s): *676594*

Report Date: *11.06.2020*
Date Received: *11.02.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3141552 BTEX by EPA 8021B

Lab Sample ID 676594-002 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: 676594-001, -002.

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

m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.

Samples in the analytical batch are: 676594-001, -002

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Certificate of Analytical Results 676594

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State

Sample Id: **T.T. SP1 @ 4'** Matrix: Soil Date Received:11.02.2020 11:00

Lab Sample Id: 676594-001 Date Collected: 10.30.2020 00:00 Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 11.02.2020 11:15 % Moisture:

Seq Number: 3141187 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.02.2020 12:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.02.2020 12:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.02.2020 12:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.02.2020 12:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	11.02.2020 12:58	
o-Terphenyl	84-15-1	113	%	70-130	11.02.2020 12:58	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 11.05.2020 17:15 % Moisture:

Seq Number: 3141552 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0199	0.0199	mg/kg	11.06.2020 11:24	U	10
Toluene	108-88-3	**0.0465**	0.0199	mg/kg	11.06.2020 11:24		10
Ethylbenzene	100-41-4	<0.0199	0.0199	mg/kg	11.06.2020 11:24	U	10
m,p-Xylenes	179601-23-1	**0.0989**	0.0398	mg/kg	11.06.2020 11:24		10
o-Xylene	95-47-6	**0.0880**	0.0199	mg/kg	11.06.2020 11:24		10
Total Xylenes	1330-20-7	**0.187**	0.0199	mg/kg	11.06.2020 11:24		10
Total BTEX		**0.233**	0.0199	mg/kg	11.06.2020 11:24		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.06.2020 11:24	
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.06.2020 11:24	

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Certificate of Analytical Results 676594

Etech Environmental & Safety Solution, Inc, Midland, TX

Enron State

Sample Id: **T.T. SP2 @ 5'** Matrix: Soil Date Received:11.02.2020 11:00

Lab Sample Id: 676594-002 Date Collected: 10.30.2020 00:00 Sample Depth: 5 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 11.02.2020 11:15 % Moisture:

Seq Number: 3141187 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.02.2020 13:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	**58.6**	49.9	mg/kg	11.02.2020 13:57		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.02.2020 13:57	U	1
Total TPH	PHC635	**58.6**	49.9	mg/kg	11.02.2020 13:57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	11.02.2020 13:57	
o-Terphenyl	84-15-1	107	%	70-130	11.02.2020 13:57	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL

Analyst: KTL Date Prep: 11.05.2020 17:15 % Moisture:

Seq Number: 3141552 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.06.2020 11:03	UX	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.06.2020 11:03	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.06.2020 11:03	UX	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.06.2020 11:03	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.06.2020 11:03	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.06.2020 11:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.06.2020 11:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	11.06.2020 11:03	
1,4-Difluorobenzene	540-36-3	99	%	70-130	11.06.2020 11:03	

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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. **ND** Not Detected.

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 676594

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Etech Environmental & Safety Solution, Inc

Enron State

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141187 — Matrix: Solid — Date Prep: 11.02.2020
MB Sample Id: 7714378-1-BLK — LCS Sample Id: 7714378-1-BKS — LCSD Sample Id: 7714378-1-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	1110	111	990	99	70-130	11	20	mg/kg	11.02.2020 12:19	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1000	100	70-130	10	20	mg/kg	11.02.2020 12:19	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	110		120		106		70-130	%	11.02.2020 12:19
o-Terphenyl	129		127		111		70-130	%	11.02.2020 12:19

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141187 — Matrix: Solid — Date Prep: 11.02.2020
MB Sample Id: 7714378-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.02.2020 11:59	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3141187 — Matrix: Soil — Date Prep: 11.02.2020
Parent Sample Id: 676594-001 — MS Sample Id: 676594-001 S — MSD Sample Id: 676594-001 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	998	912	91	954	95	70-130	5	20	mg/kg	11.02.2020 13:18	
Diesel Range Organics (DRO)	<49.9	998	982	98	997	100	70-130	2	20	mg/kg	11.02.2020 13:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		110		70-130	%	11.02.2020 13:18
o-Terphenyl	104		104		70-130	%	11.02.2020 13:18

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3141552 — Matrix: Solid — Date Prep: 11.05.2020
MB Sample Id: 7714647-1-BLK — LCS Sample Id: 7714647-1-BKS — LCSD Sample Id: 7714647-1-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	0.0915	92	0.0863	86	70-130	6	35	mg/kg	11.06.2020 08:41	
Toluene	<0.00200	0.100	0.0908	91	0.0876	88	70-130	4	35	mg/kg	11.06.2020 08:41	
Ethylbenzene	<0.00200	0.100	0.0937	94	0.0912	91	70-130	3	35	mg/kg	11.06.2020 08:41	
m,p-Xylenes	<0.00400	0.200	0.182	91	0.180	90	70-130	1	35	mg/kg	11.06.2020 08:41	
o-Xylene	<0.00200	0.100	0.0908	91	0.0894	89	70-130	2	35	mg/kg	11.06.2020 08:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		99		98		70-130	%	11.06.2020 08:41
4-Bromofluorobenzene	102		98		104		70-130	%	11.06.2020 08:41

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

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QC Summary 676594

Etech Environmental & Safety Solution, Inc

Enron State

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3141552 Matrix: Soil Date Prep: 11.05.2020

Parent Sample Id: 676594-002 MS Sample Id: 676594-002 S MSD Sample Id: 676594-002 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	<0.00200	0	<0.00200	0	70-130	NC	35	mg/kg	11.06.2020 09:22	X
Toluene	<0.00200	0.0998	<0.00200	0	<0.00200	0	70-130	NC	35	mg/kg	11.06.2020 09:22	X
Ethylbenzene	<0.00200	0.0998	<0.00200	0	<0.00200	0	70-130	NC	35	mg/kg	11.06.2020 09:22	X
m,p-Xylenes	<0.00399	0.200	0.0771	39	0.0537	27	70-130	36	35	mg/kg	11.06.2020 09:22	X
o-Xylene	<0.00200	0.0998	0.0228	23	0.0113	11	70-130	67	35	mg/kg	11.06.2020 09:22	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		95		70-130	%	11.06.2020 09:22
4-Bromofluorobenzene	111		110		70-130	%	11.06.2020 09:22

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

XENCO

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

Work Order No: 607594

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Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Grizzly
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

Project Name:	Enron State
Project Number:	13213
Project Location	Rural Lea County, NM
Sampler's Name:	Miguel Ramirez
PO #:	

Turn Around
Routine: ☐
Rush: ☐
Due Date:

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:

SAMPLE RECEIPT				
Temperature (°C):	2.5/2.8	Temp Blank:	Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID		IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		x0.5
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005
T.T. SP1@4'	Soil	10-30-20		4'	1		X	X	
T.T. SP2@5'	Soil	10-30-20		5'	1		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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	NR	3:47 10/30	2 NR		11/2/20
3			4		1100
5			6		

Revised Date 101419 Rev. 2019.1

ORIGIN ID:HOBA (575) 392-7000
*MAIL SERVICES ETC
4008 N GRIMES

HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 30OCT20
ACTWGT: 11.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 14x10x10 IN

BILL RECIPIENT

TO **XENCO HOLD FOR PICKUP**
FEDEX OFFICE PRINT & SHIP CENTER
FEDEX OFFICE PRINT & SHIP CENTER
200 W INTERSTATE 20

MIDLAND TX 79701
(432) 704-5440
INV:
PO:
REF:
DEPT:

565C2/A27E/05A2

FedEx Express

J191219082001uv

SATURDAY HOLD
PRIORITY OVERNIGHT
HLD
MAFKI
TX-US **LBB**

TRK# 0201 **9061 5135 2480**

41 MAFA

Part # 156148-434 RIT EXP 01/21

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 11.02.2020 11.00.00 AM

Work Order #: 676594

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

Temperature Measuring device used : IR-8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.8
#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: 11.02.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 11.03.2020
Jessica Kramer

Appendix D
Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: Northwest	
Photo Description: Release area around surface equipment.	

Photo Number: 2	
Photo Direction: South	
Photo Description: Northwest release area.	

Photographic Log

Photo Number: 3 **Photo Direction:** North **Photo Description:** Release area around surface equipment.	

Photo Number: 4 **Photo Direction:** North **Photo Description:** Middle and northwest release area.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 11435

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
GRIZZLY OPERATING, LLC	5847 San Felipe, Suite 3000	Houston, TX77057	258350	11435	C-141

OCD Reviewer	Condition
rmarcus	None