Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014755309
District RP	
Facility ID	
Application ID	

Denied - Remediation Page of C-141 not included in submittal

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?	240 (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.

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014755309
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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: Albert Ochoa Title: HSE Representative

Signature: Albert Ochoa Date: 8/21/20

email: albert.ochoa@goodnightmidstream.com Telephone: 432-242-6629

OCD Only

Received by: _____ Date: _____

Site Assessment Report and Proposed Remediation Workplan

Goodnight Midstream Permian, LLC
Fenway SWD
Lea County, New Mexico
Unit Letter E, Section 28, Township 21 South, Range 36 East
Latitude 32.450025 North, Longitude 103.275182 West
NMOCD Reference No. nRM2014755309

Prepared By:

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

Matthew Grieco

Joel W. Lowry

ETECH Environmental & Safety Solutions, Inc.

TABLE OF CONTENTS

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Goodnight Midstream Permian, LLC, has prepared this Report for the Release Site known as the Fenway SWD. Details of the release are summarized below:

Location of Release Source

Latitude: 32.450025 Longitude: -103.275182

Provided GPS are in WGS84 format.

Site Name:	Fenway SWD	Site Type:	SWD Facility
Date Release Discovered:	5/12/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
E	28	21S	36E	Lea

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name Dasco Cattle Co LLC)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 15
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] 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:
A plug came loose at the H pump resulting to have produce water released, some of the water was contained inside the pumps berms, allowing some water to reach outside the berms as well.

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?	~240 ft
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
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 the 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

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

Closure Criteria for Soil Impacted by a Release			
Probable Depth to Groundwater	**Constituent**	**Method**	**Limit**
~240 ft	Chloride	EPA 300.0 or SM4500 Cl B	20000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1000 mg/kg
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg

4.0 INITIAL SITE ASSESSMENT

During initial response activities heavily impacted soil was scraped and put an an impermeable liner pending transportation to an NMOCD-permitted disposal facility.

On May 13, 2020, upon conductining initial response activities, Premier Energy Services collected field soil samples. Seven (7) soil samples (1A @ 1”-3”, 1B @ 1”-3”, 1C @ 1”-3”, 1D @ 1”-3”, 1E @ 1”-3”, 1F @ 1”-3”, 1G @ 1”-3” and 1H @ 1”-3”) were submitted to the laboratory for analysis of TPH and Chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria with the exception of the area characterized by soil sample 1G @ 1"-3", which exhibited a chloride concentration of 22,200 mg/kg. Additional soil samples were not collected.

On July 28, 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 laboratory analytical results, field observations and field test data, seventeen (17) delineation soil samples (NH @ Surface, NH @ 1', EH @ Surface, EH @ 1', EH2 @ Surface, EH2 @ 1', SH @ Surface, SH @ 1', WH @ Surface, WH @ 1', Sample 1A @1', Sample 1B @1', Sample 1C @1', Sample 1D @1', Sample 1F @1', Sample 1G @1', Sample 1H @1') were submitted to the laboratory for analysis of BTEX, TPH and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond 1 ft. bgs in the area characterized by soil sample 1G @ 1"-3" and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined.

A "Site & Sample Location Map" is provided as Figure 3. Field data and soil profile logs, if applicable, are provided as Appendix B. A "Soil Chemistry Table" is provided as Table 1. 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, Goodnight Midstream Permian, LLC proposes the following remediation activities designed to advance the Site toward an approved closure:

- Utilizing mechanical equipment, excavate impacted soil within the release margins. Impacted soil in the area characterized by sample point 1G will be excavated until laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria.
- Excavated material will be temporarily stockpiled atop an impermeable liner, then transported to an NMOCD-permitted disposal facility.
- Upon excavating impacted soil affected above the NMOCD Closure Criteria and receiving laboratory analytical results from excavation confirmation soil samples, the excavated area will be backfilled with locally sourced, non-impacted "like" material.
- Upon completion of remediation activities, a Site Assessment Report and Soil Closure Request will be prepared detailing field activities and laboratory analytical results from confirmation soil samples.

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 34 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. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.

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 Goodnight Midstream Permian, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Goodnight Midstream Permian, LLC.

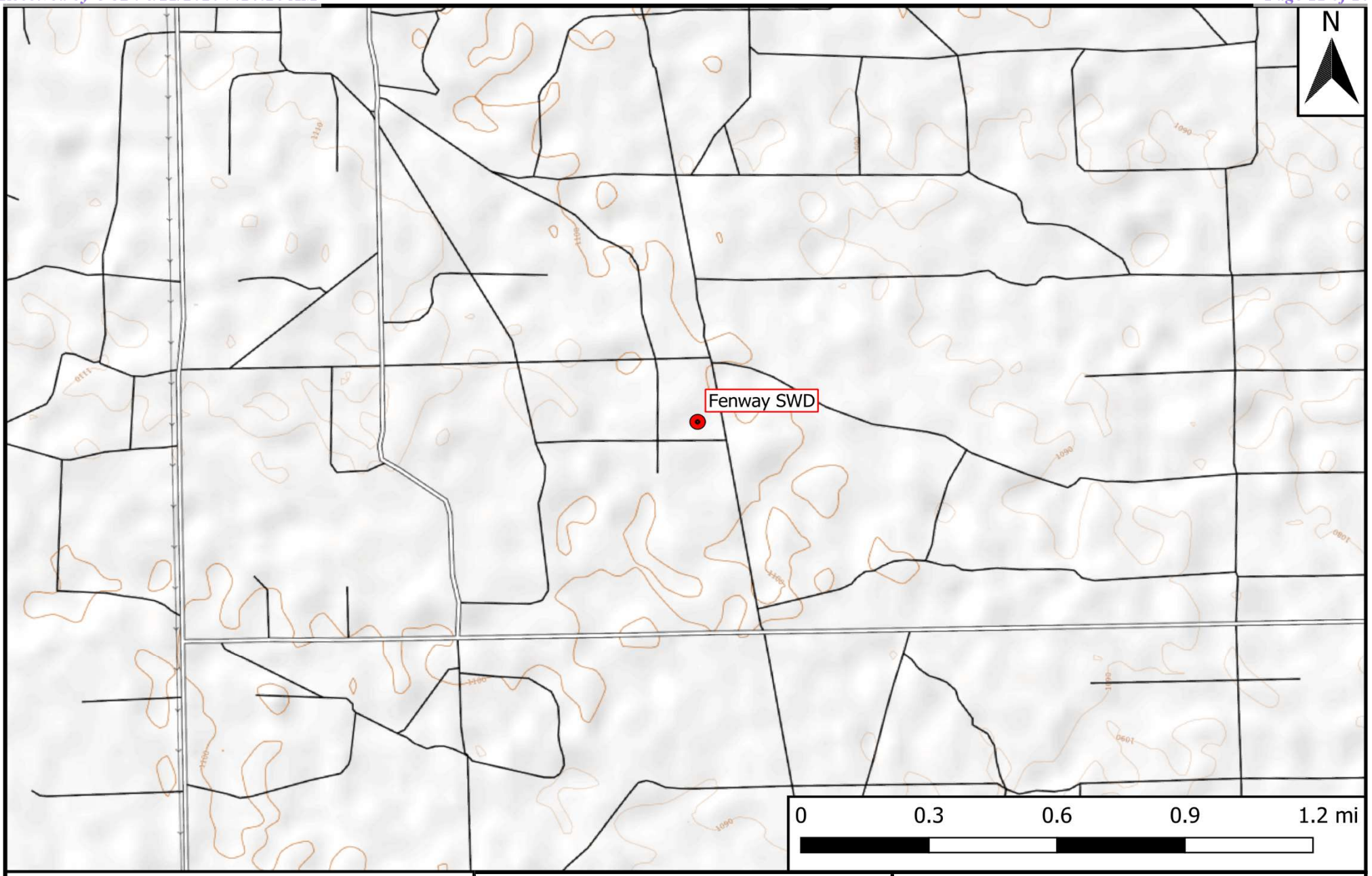
10.0 DISTRIBUTION

Goodnight Midstream Permian, LLC
5910 N Central Expy
Dallas, TX 75206

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

(Electronic Submission)

Figure 1
Topographic Map



Legend

Site Location

Figure 1

Topographic Map

Goodnight Midstream Permian, LLC

Fenway SWD

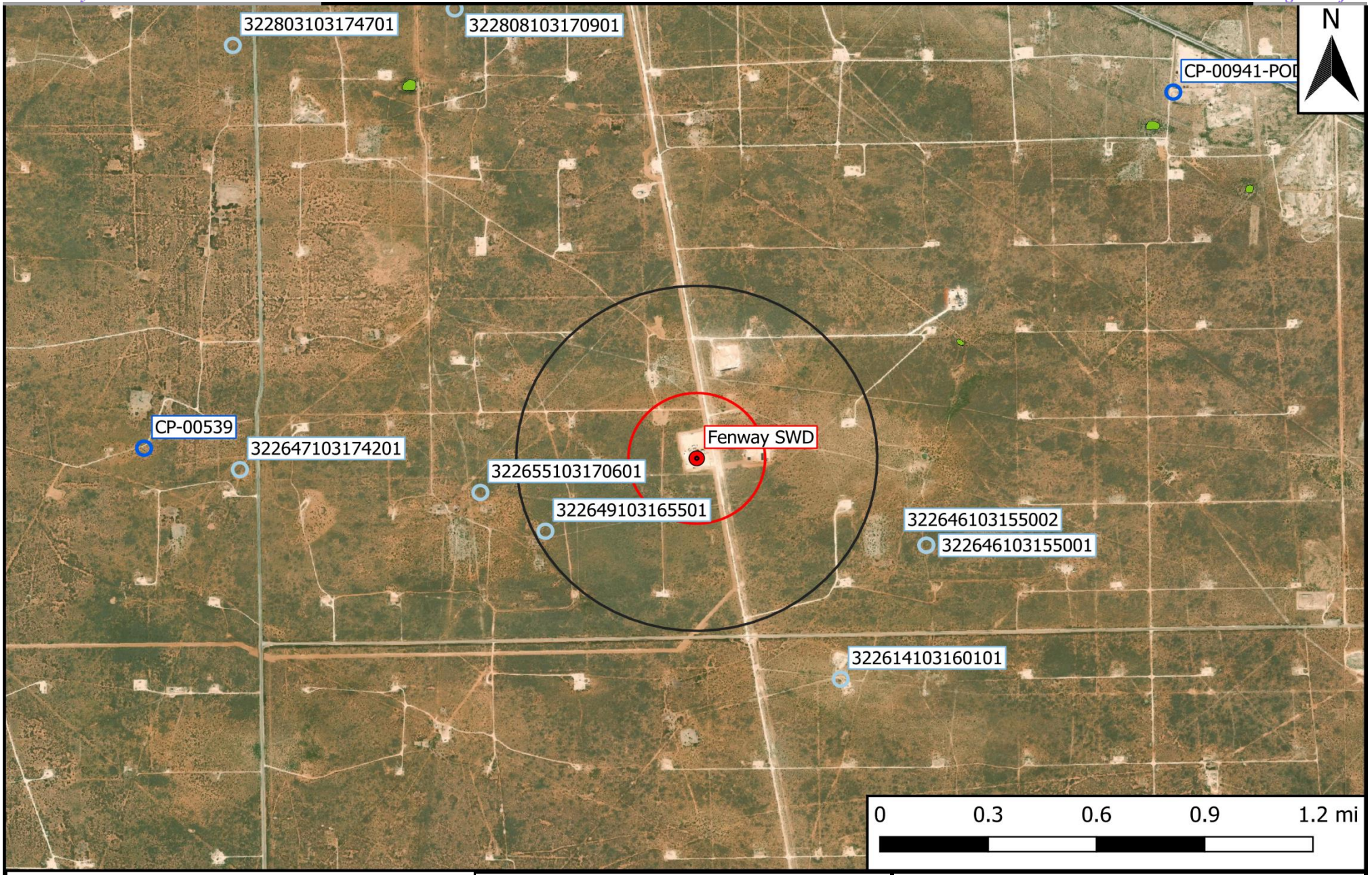
GPS: 32.450025, -103.275182

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/10/20

Figure 2
Aerial Proximity Map



Legend

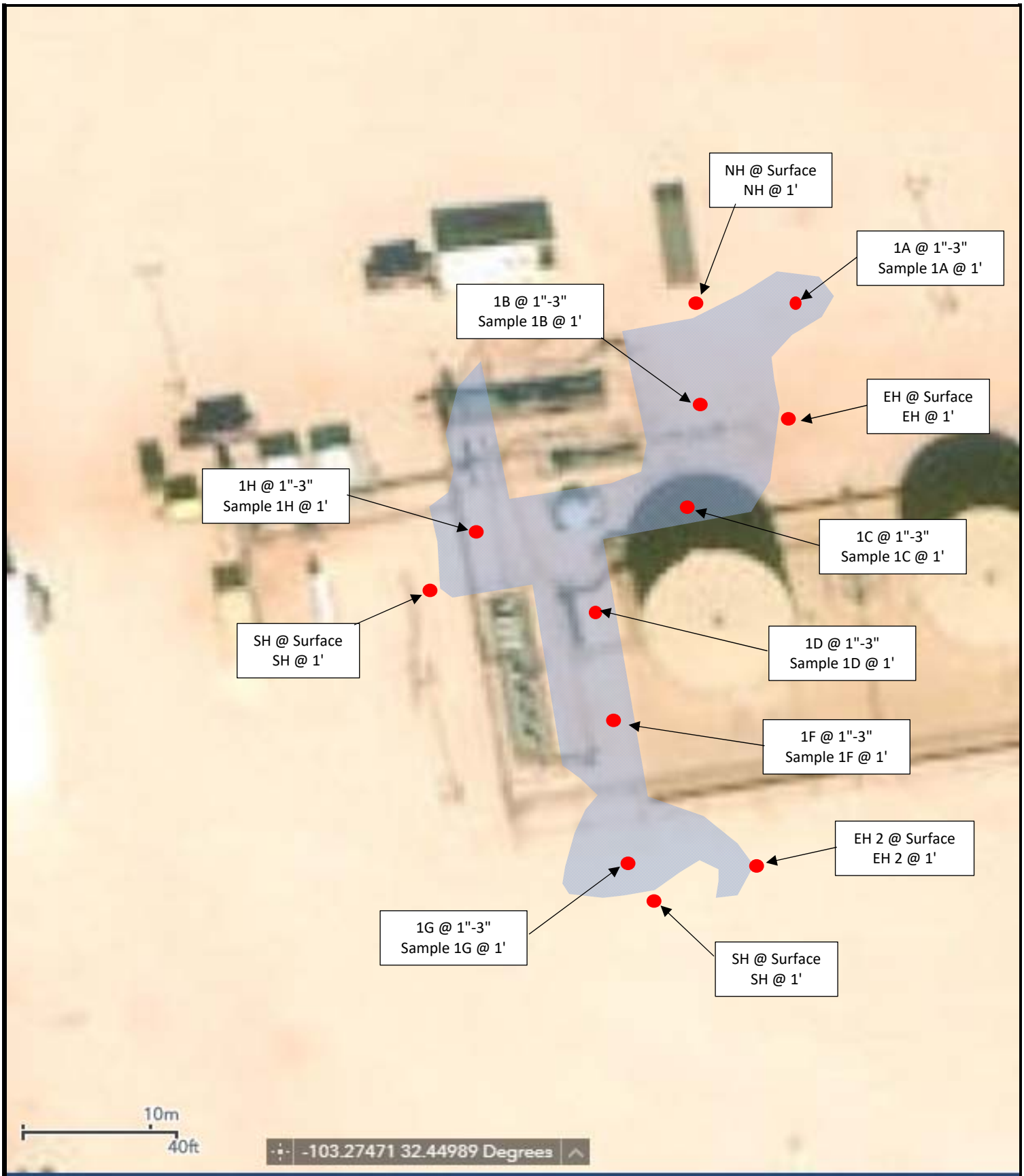
- Site Location
- Well - NMOSE
- Well - USGS
- High Karst
- Potash Mine Workings
- 0.5 Mi Radius
- 1000 Ft Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2
Aerial Map
Goodnight Midstream Permian, LLC
Fenway SWD
GPS: 32.450025, -103.275182
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/13/20

Figure 3
Site and Sample Location Map



Legend:

- Sample Point
- Affected Area

Figure 3

Site and Sample Location Map
Goodnight Midstream Permian, LLC
Fenway SWD
GPS: 32.450025, -103.275182
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted:

Checked: jwl Date: 8/10/20

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

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Goodnight Midstream Permian, LLC
Fenway SWD
NMOCD Ref. #: pending

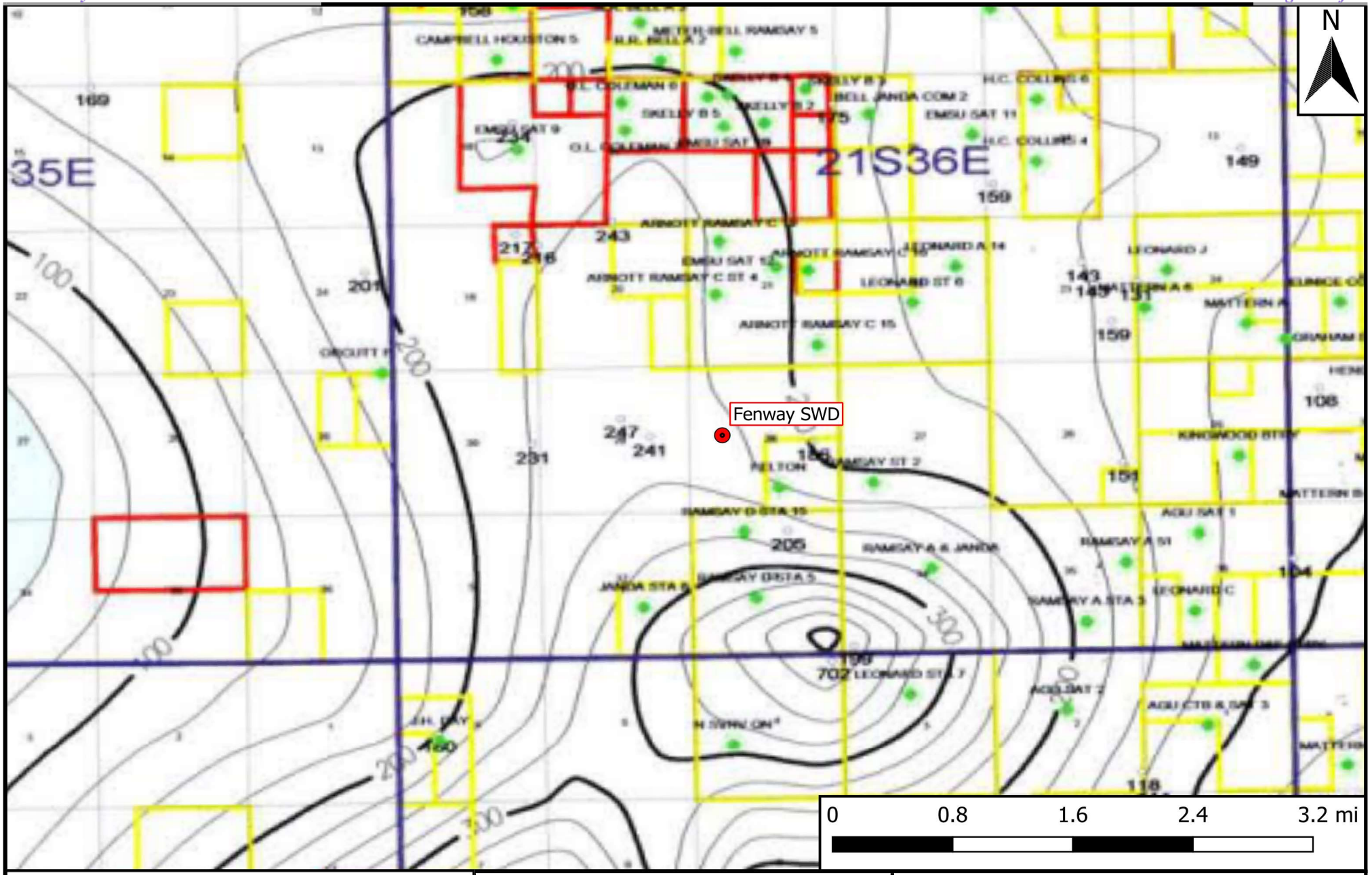
NMOCD Closure Criteria				10	50	-	-	1000	-	2500	20000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
				SW 846 8021B		SW 846 8015M Ext.					4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
1A @ 1"-3"	5/13/2020	1"-3"	In-Situ	-	-	<28.1	71.6	71.6	47.0	119	10,500
1B @ 1"-3"	5/13/2020	1"-3"	In-Situ	-	-	<28.1	32.7	32.7	37.5	70.3	9,360
1C @ 1"-3"	5/13/2020	1"-3"	In-Situ	-	-	<27.8	<27.8	<27.8	<27.8	<27.8	9,510
1D @ 1"-3"	5/13/2020	1"-3"	In-Situ	-	-	<28.7	<28.7	<28.7	<28.7	<28.7	11,200
1F @ 1"-3"	5/13/2020	1"-3"	In-Situ	-	-	<28.7	32.7	32.7	<28.7	32.7	11,500
1G @ 1"-3"	5/13/2020	1"-3"	In-Situ	-	-	<27.5	<27.5	<27.5	<27.5	<27.5	**22,200**
1H @ 1"-3"	5/13/2020	1"-3"	In-Situ	-	-	<29.8	<29.8	<29.8	<29.8	<29.8	11,500
NH @ Surface	7/28/2020	0'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	98.9
NH @ 1'	7/28/2020	1'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	14.5
EH @ Surface	7/28/2020	0'	In-Situ	<0.00198	0.00472	<49.8	<49.8	<49.8	<49.8	<49.8	152
EH @ 1'	7/28/2020	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	13.4
EH2 @ Surface	7/28/2020	0'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	47.3
EH2 @ 1'	7/28/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	12.2
SH @ Surface	7/28/2020	0'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	14.8
SH @ 1'	7/28/2020	1'	In-Situ	<0.00202	0.00470	<49.9	<49.9	<49.9	<49.9	<49.9	9.27
WH @ Surface	7/28/2020	0'	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	11.7
WH @ 1'	7/28/2020	1'	In-Situ	<0.00198	0.00239	<50.0	<50.0	<50.0	<50.0	<50.0	9.81
Sample 1A @1'	7/28/2020	1'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	9.40
Sample 1B @1'	7/28/2020	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	223
Sample 1C @1'	7/28/2020	1'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	194
Sample 1D @1'	7/28/2020	1'	In-Situ	<0.00201	0.00460	<49.8	<49.8	<49.8	<49.8	<49.8	<4.99
Sample 1F @1'	7/28/2020	1'	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	51.6
Sample 1G @1'	7/28/2020	1'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	5.23
Sample 1H @1'	7/28/2020	1'	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	29.1

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

Goodnight Midstream Permian, LLC

Fenway SWD

GPS: 32.450025, -103.275182

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/10/20

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	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00539		CP	LE	4	3	2	30	21S	36E	659663	3591676*	2465	270	240	30
CP 00941 POD1		CP	LE		3	2	22	21S	36E	664254	3593330	2722	257		
CP 00281 POD1		CP	LE	3	1	1	20	21S	36E	660236	3593696*	2802	201		
CP 01485 POD1		CP	LE	4	4	3	17	21S	36E	660749	3594154	2877	305	246	59
CP 00727		CP	LE	1	3	2	05	22S	36E	661130	3588673*	3119	267	212	55
CP 00727 CLW475753	O	CP	LE	1	3	2	05	22S	36E	661130	3588673*	3119	228		

Average Depth to Water: **232 feet**

Minimum Depth: **212 feet**

Maximum Depth: **246 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 662127.98 **Northing (Y):** 3591628.98 **Radius:** 3220

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00281 POD1	3	1	1	20	21S	36E	660236	3593696*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: **Drill Finish Date:** **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 8.00 **Depth Well:** 201 feet **Depth Water:**

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00539	4	3	2	30	21S	36E	659663	3591676*

Driller License: 598 **Driller Company:** ROBINSON, ROSS L.

Driller Name: ROBINSON, ROSS L.

Drill Start Date: 09/01/1974 **Drill Finish Date:** 05/09/1975 **Plug Date:**

Log File Date: 05/12/1975 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 5.63 **Depth Well:** 270 feet **Depth Water:** 240 feet

Water Bearing Stratifications:	Top	Bottom	Description
	90	100	Sandstone/Gravel/Conglomerate
	245	268	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	248	268

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00727 CLW475753	1	3	2	05	22S	36E	661130	3588673*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, MURRELL

Drill Start Date:	04/22/1988	**Drill Finish Date:**	04/26/1988	**Plug Date:**	04/27/1988
Log File Date:	04/28/1988	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	12.75	**Depth Well:**	228 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	Twp	Rng	X	Y
	CP 00727	1	3	2	05	22S	36E	661130	3588673*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, MURRELL

Drill Start Date:	05/12/1988	**Drill Finish Date:**	05/19/1988	**Plug Date:**	
Log File Date:	06/06/1988	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.50	**Depth Well:**	267 feet	**Depth Water:**	212 feet

Water Bearing Stratifications:	Top	Bottom	Description
	212	225	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	171	264

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00941 POD1	3	2		22	21S	36E	664254	3593330

Driller License: 1044 **Driller Company:** EADES WELL DRILLING & PUMP SERVICE

Driller Name: EADES, ALAN

Drill Start Date: 10/12/2006 **Drill Finish Date:** 10/12/2006 **Plug Date:**

Log File Date: 11/02/2006 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 5.75 **Depth Well:** 257 feet **Depth Water:**

Water Bearing Stratifications:	Top	Bottom	Description
	128	231	Sandstone/Gravel/Conglomerate
	231	256	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	217	257

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
	CP 01485 POD1	4	4	3	17	21S	36E	660749	3594154

Driller License: 1626 **Driller Company:** TAYLOR, ROY ALLEN

Driller Name: TAYLOR, ROY A.

Drill Start Date: 04/06/2015 **Drill Finish Date:** 04/08/2015 **Plug Date:**

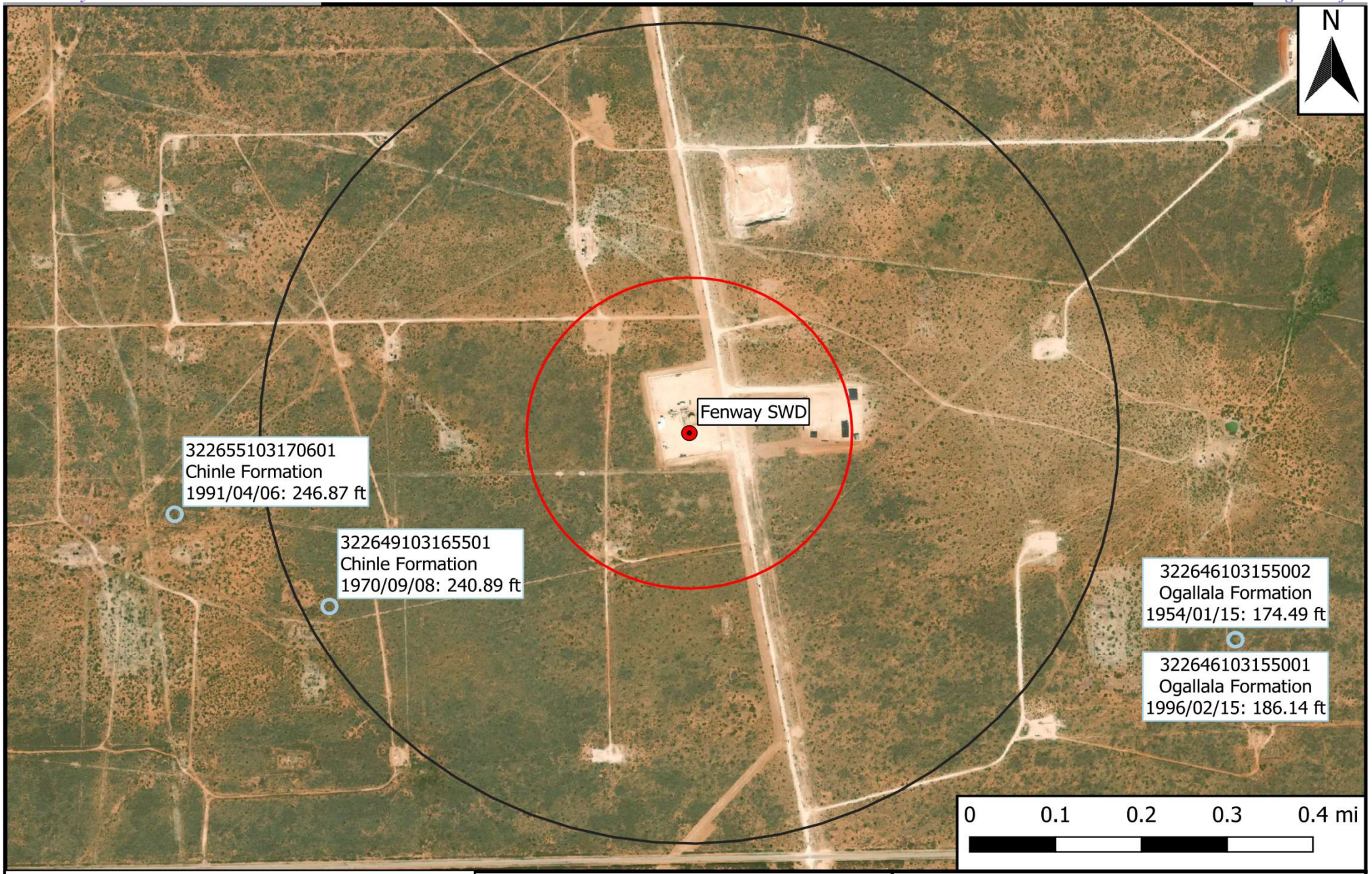
Log File Date: 04/20/2015 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 50 GPM

Casing Size: 5.14 **Depth Well:** 305 feet **Depth Water:** 246 feet

Water Bearing Stratifications:	Top	Bottom	Description
	220	285	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	245	305



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

Figure 5
USGS Well Proximity Map
Goodnight Midstream Permian, LLC
Fenway SWD
GPS: 32.450025, -103.275182
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/10/20

National Water Information System: Web Interface

USGS Water Resources

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

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- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322646103155001

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

USGS 322646103155001 21S.36E.28.421213

Lea County, New Mexico
Latitude 32°26'46", Longitude 103°15'50" NAD27
Land-surface elevation 3,595 feet above NAVD88
This well is completed in the Ogallala Formation (121OGLL) 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	? Water-level approval status
1965-11-05		D	187.27			2	R	U		U	A
1968-03-19		D	192.52			2	R	U		U	A
1970-12-11		D	190.44			2		U		U	A
1976-01-22		D	186.72			2		U		U	A
1981-03-04		D	186.69			2		U		U	A
1986-03-19		D	186.55			2		U		U	A
1991-04-16		D	186.35			2		U		U	A
1996-02-15		D	186.14			2		S		U	A

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
Status	R	Site had been pumped recently.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
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
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News

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

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-07-27 11:26:53 EDT
0.28 0.26 nadww01

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322646103155002

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

USGS 322646103155002 21S.36E.28.421213A

Lea County, New Mexico
Latitude 32°26'46", Longitude 103°15'50" NAD27
Land-surface elevation 3,595 feet above NAVD88
The depth of the well is 197 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) 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	? Water-level approval status
1954-01-15		D	174.49			2		U		U	A

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	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Page Last Modified: 2020-07-27 11:20:33 EDT
0.26 0.24 nadww01

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322649103165501

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

USGS 322649103165501 21S.36E.29.23444

Lea County, New Mexico
Latitude 32°26'49", Longitude 103°16'55" NAD27
Land-surface elevation 3,624 feet above NAVD88
The depth of the well is 380 feet below land surface.
This well is completed in the Chinle Formation (231CHNL) 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	? Water-level approval status
1965-12-01		D	326.14			2		U		U	A
1970-09-08		D	240.89			2		U		U	A

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	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322655103170601

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

USGS 322655103170601 21S.36E.29.23134

Lea County, New Mexico
Latitude 32°26'55", Longitude 103°17'06" NAD27
Land-surface elevation 3,635 feet above NAVD88
The depth of the well is 305 feet below land surface.
This well is completed in the Chinle Formation (231CHNL) 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	? Water-level approval status
1970-09-08		D	248.38			2		U		U	A
1976-01-22		D	247.85			2		U		U	A
1981-03-04		D	247.34			2		U		U	A
1986-03-19		D	247.39			2		U		U	A
1991-04-06		D	246.87			2		U		U	A

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	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

/

Appendix B
Field Data and Soil Profile Logs

eTECH Environmental & Safety Solutions, Inc.

Initial Release Assessment Form

Date: 7/28/20

Project: Fenway SWD | Clean Up Level: 20,000 mg/kg Cl-, 2,500 mg/kg TPH

Project Number: 12802 | Latitude: 32.450025 | Longitude: -103.275182

Site Diagram

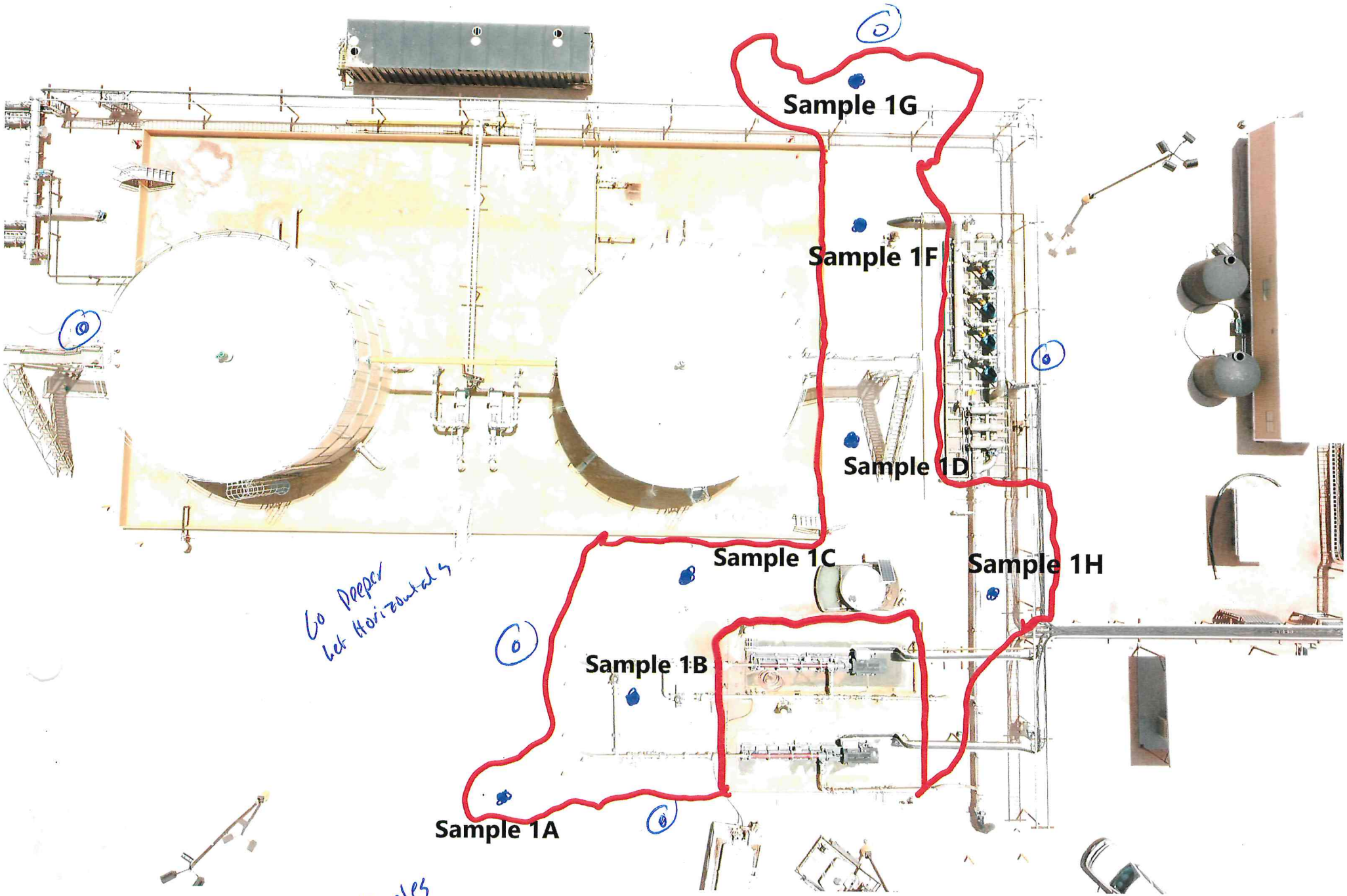
See printout for Diagram / Locations of Samples

Notes: Sample 16 is the only area exceeding the TPH clean...
Samples taken elevation for verification.

...ea around 16:

~Length: 30' ~Width: 50' ~Area: 900 sqft ~Depth: 1'

	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?	☑	☐


Sample 1G
Sample 1F
Sample 1D
Sample 1C
Sample 1H
Sample 1B
Sample 1A
Go Deeper
Get Horizontals
17 Samples

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 7-28-20

Project: Fenway SWD

Project Number: 12802 Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
NH@ surface	none	212	
NH@ 1'	none	>112	
EH @ surface	none	212	
EH 1@ 1'	none	>112	
EH 2@ surface	none	212	
EH 2@ 1'	none	>112	
SH @ surface	none	212	
SH @ 1'	none	>112	
WH@ surface	none	>112	
WH @ 1'	none	>112	
Sample 1A@ 1'	none	84	
Sample 1B@ 1'	none	1244	
Sample 1C@ 1'	none	276	
Sample 1D@ 1'	none	212	
Sample 1F @ 1'	none	276	
Sample 1G@ 1'	none	160	
Sample 1H@ 1'	none	212	

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: 7/28/20

Project: Fenway SWD

Project Number: 12802 Latitude: 32.450025 Longitude: -103.275182

Depth (ft. bgs)	Description
1	Caliche pad
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
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40	

Appendix C
Laboratory Analytical Reports

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Revised Analytical Report

Prepared for:

Santos Montoya
Premier Energy Services
2815 W. Industrial Ave
Midland, TX 79701

Project: Fenway SWD
Project Number: [none]
Location: Fenway SWD

Lab Order Number: 0E14004

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-18-9

Report Date: 05/20/20

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1A @ 1"-3"	0E14004-01	Soil	05/13/20 10:55	05-14-2020 09:48
1B @ 1"-3"	0E14004-02	Soil	05/13/20 10:56	05-14-2020 09:48
1C @ 1"-3"	0E14004-03	Soil	05/13/20 10:58	05-14-2020 09:48
1D @ 1"-3"	0E14004-04	Soil	05/13/20 11:00	05-14-2020 09:48
1F @ 1"-3"	0E14004-05	Soil	05/13/20 11:02	05-14-2020 09:48
1G @ 1"-3"	0E14004-06	Soil	05/13/20 11:03	05-14-2020 09:48
1H @ 1"-3"	0E14004-07	Soil	05/13/20 11:05	05-14-2020 09:48

PBELAB was advised by the client to perform Chloride analysis on these samples. This revised report reflects these additions.

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

1A @ 1''-3''

0E14004-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
C6-C12	ND	28.1	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 13:13	TX 1005	
>C12-C28	**71.6**	28.1	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 13:13	TX 1005	
>C28-C35	**47.0**	28.1	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 13:13	TX 1005	
Surrogate: 1-Chlorooctane		*94.1 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 13:13*	*TX 1005*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 13:13*	*TX 1005*	
Total Hydrocarbon nC6-nC35	**119**	28.1	mg/kg dry	1	[CALC]	05/14/20 11:30	05/14/20 13:13	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10500**	28.1	mg/kg dry	25	P0E1803	05/18/20 12:14	05/18/20 13:45	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P0E1501	05/15/20 08:21	05/15/20 08:22	ASTM D2216	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

1B @ 1''-3''

0E14004-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
C6-C12	ND	28.1	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 13:34	TX 1005	
>C12-C28	**32.7**	28.1	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 13:34	TX 1005	
>C28-C35	**37.5**	28.1	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 13:34	TX 1005	
Surrogate: 1-Chlorooctane		*97.5 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 13:34*	*TX 1005*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 13:34*	*TX 1005*	
Total Hydrocarbon nC6-nC35	**70.3**	28.1	mg/kg dry	1	[CALC]	05/14/20 11:30	05/14/20 13:34	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9360**	28.1	mg/kg dry	25	P0E1803	05/18/20 12:14	05/18/20 14:30	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P0E1501	05/15/20 08:21	05/15/20 08:22	ASTM D2216	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

1C @ 1''-3''

0E14004-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
C6-C12	ND	27.8	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 14:40	TX 1005	
>C12-C28	ND	27.8	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 14:40	TX 1005	
>C28-C35	ND	27.8	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 14:40	TX 1005	
Surrogate: 1-Chlorooctane		*84.4 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 14:40*	*TX 1005*	
Surrogate: o-Terphenyl		*90.0 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 14:40*	*TX 1005*	
Total Hydrocarbon nC6-nC35	ND	27.8	mg/kg dry	1	[CALC]	05/14/20 11:30	05/14/20 14:40	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9510**	27.8	mg/kg dry	25	P0E1803	05/18/20 12:14	05/18/20 14:45	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P0E1501	05/15/20 08:21	05/15/20 08:22	ASTM D2216	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

1D @ 1''-3''

0E14004-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
C6-C12	ND	28.7	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 15:02	TX 1005	
>C12-C28	ND	28.7	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 15:02	TX 1005	
>C28-C35	ND	28.7	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 15:02	TX 1005	
Surrogate: 1-Chlorooctane		*90.1 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 15:02*	*TX 1005*	
Surrogate: o-Terphenyl		*96.4 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 15:02*	*TX 1005*	
Total Hydrocarbon nC6-nC35	ND	28.7	mg/kg dry	1	[CALC]	05/14/20 11:30	05/14/20 15:02	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11200**	57.5	mg/kg dry	50	P0E1803	05/18/20 12:14	05/18/20 15:00	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P0E1501	05/15/20 08:21	05/15/20 08:22	ASTM D2216	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

1F @ 1''-3''

0E14004-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
C6-C12	ND	28.7	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 15:24	TX 1005	
>C12-C28	**32.7**	28.7	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 15:24	TX 1005	
>C28-C35	ND	28.7	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 15:24	TX 1005	
Surrogate: 1-Chlorooctane		*86.6 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 15:24*	*TX 1005*	
Surrogate: o-Terphenyl		*92.2 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 15:24*	*TX 1005*	
Total Hydrocarbon nC6-nC35	**32.7**	28.7	mg/kg dry	1	[CALC]	05/14/20 11:30	05/14/20 15:24	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11500**	57.5	mg/kg dry	50	P0E1803	05/18/20 12:14	05/18/20 15:15	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P0E1501	05/15/20 08:21	05/15/20 08:22	ASTM D2216	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

1G @ 1''-3''

0E14004-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
C6-C12	ND	27.5	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 17:14	TX 1005	
>C12-C28	ND	27.5	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 17:14	TX 1005	
>C28-C35	ND	27.5	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 17:14	TX 1005	
Surrogate: 1-Chlorooctane		*86.7 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 17:14*	*TX 1005*	
Surrogate: o-Terphenyl		*92.4 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 17:14*	*TX 1005*	
Total Hydrocarbon nC6-nC35	ND	27.5	mg/kg dry	1	[CALC]	05/14/20 11:30	05/14/20 17:14	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**22200**	54.9	mg/kg dry	50	P0E1803	05/18/20 12:14	05/18/20 15:30	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P0E1501	05/15/20 08:21	05/15/20 08:22	ASTM D2216	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

1H @ 1''-3''

0E14004-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
C6-C12	ND	29.8	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 17:36	TX 1005	
>C12-C28	ND	29.8	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 17:36	TX 1005	
>C28-C35	ND	29.8	mg/kg dry	1	P0E1401	05/14/20 11:30	05/14/20 17:36	TX 1005	
Surrogate: 1-Chlorooctane		*96.1 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 17:36*	*TX 1005*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P0E1401*	*05/14/20 11:30*	*05/14/20 17:36*	*TX 1005*	
Total Hydrocarbon nC6-nC35	ND	29.8	mg/kg dry	1	[CALC]	05/14/20 11:30	05/14/20 17:36	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11500**	29.8	mg/kg dry	25	P0E1803	05/18/20 12:14	05/18/20 15:45	EPA 300.0	
% Moisture	**16.0**	0.1	%	1	P0E1501	05/15/20 08:21	05/15/20 08:22	ASTM D2216	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1401 - TX 1005										
Blank (P0E1401-BLK1)				Prepared & Analyzed: 05/14/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*89.4*		*"*	*100*		*89.4*	*70-130*			
Surrogate: o-Terphenyl	*45.5*		*"*	*50.0*		*91.1*	*70-130*			
LCS (P0E1401-BS1)				Prepared & Analyzed: 05/14/20						
C6-C12	954	25.0	mg/kg wet	1000		95.4	75-125			
>C12-C28	1020	25.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	*106*		*"*	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*45.1*		*"*	*50.0*		*90.3*	*70-130*			
LCS Dup (P0E1401-BSD1)				Prepared & Analyzed: 05/14/20						
C6-C12	972	25.0	mg/kg wet	1000		97.2	75-125	1.93	20	
>C12-C28	1010	25.0	"	1000		101	75-125	0.734	20	
Surrogate: 1-Chlorooctane	*103*		*"*	*100*		*103*	*70-130*			
Surrogate: o-Terphenyl	*46.1*		*"*	*50.0*		*92.1*	*70-130*			
Calibration Blank (P0E1401-CCB1)				Prepared & Analyzed: 05/14/20						
C6-C12	7.39		mg/kg wet							
>C12-C28	8.17		"							
Surrogate: 1-Chlorooctane	*87.9*		*"*	*100*		*87.9*	*70-130*			
Surrogate: o-Terphenyl	*45.0*		*"*	*50.0*		*90.0*	*70-130*			
Calibration Blank (P0E1401-CCB2)				Prepared & Analyzed: 05/14/20						
C6-C12	9.71		mg/kg wet							
>C12-C28	13.6		"							
Surrogate: 1-Chlorooctane	*91.4*		*"*	*100*		*91.4*	*70-130*			
Surrogate: o-Terphenyl	*46.9*		*"*	*50.0*		*93.9*	*70-130*			

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1401 - TX 1005										
Calibration Check (P0E1401-CCV1)				Prepared & Analyzed: 05/14/20						
C6-C12	505	25.0	mg/kg wet	500		101	85-115			
>C12-C28	531	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	*97.3*		*"*	*100*		*97.3*	*70-130*			
Surrogate: o-Terphenyl	*44.0*		*"*	*50.0*		*88.0*	*70-130*			
Calibration Check (P0E1401-CCV2)				Prepared & Analyzed: 05/14/20						
C6-C12	527	25.0	mg/kg wet	500		105	85-115			
>C12-C28	539	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*99.5*		*"*	*100*		*99.5*	*70-130*			
Surrogate: o-Terphenyl	*43.5*		*"*	*50.0*		*87.0*	*70-130*			

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1501 - * DEFAULT PREP *** **										
Blank (P0E1501-BLK1)				Prepared & Analyzed: 05/15/20						
% Moisture	ND	0.1	%							
Duplicate (P0E1501-DUP1)		**Source: 0E14005-15**		Prepared & Analyzed: 05/15/20						
% Moisture	1.0	0.1	%		2.0			66.7	20	R3
Batch P0E1803 - * DEFAULT PREP *** **										
Blank (P0E1803-BLK1)				Prepared & Analyzed: 05/18/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0E1803-BS1)				Prepared & Analyzed: 05/18/20						
Chloride	401	1.00	mg/kg wet	400		100	80-120			
LCS Dup (P0E1803-BSD1)				Prepared & Analyzed: 05/18/20						
Chloride	401	1.00	mg/kg wet	400		100	80-120	0.0175	20	
Calibration Blank (P0E1803-CCB1)				Prepared & Analyzed: 05/18/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0E1803-CCV1)				Prepared & Analyzed: 05/18/20						
Chloride	20.1		mg/kg	20.0		100	0-200			
Calibration Check (P0E1803-CCV2)				Prepared & Analyzed: 05/18/20						
Chloride	20.2		mg/kg	20.0		101	0-200			
Matrix Spike (P0E1803-MS1)		**Source: 0E14004-01**		Prepared & Analyzed: 05/18/20						
Chloride	13400	28.1	mg/kg dry	2810	10500	105	80-120			

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1803 - * DEFAULT PREP *** **										
Matrix Spike Dup (P0E1803-MSD1)	**Source: 0E14004-01**			Prepared & Analyzed: 05/18/20						
Chloride	13100	28.1	mg/kg dry	2810	10500	93.9	80-120	2.40	20	

Premier Energy Services	Project: Fenway SWD	Fax:
2815 W. Industrial Ave	Project Number: [none]	
Midland TX, 79701	Project Manager: Santos Montoya	

Notes and Definitions

R3	The RPD exceeded the acceptance limit due to sample matrix effects.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 5/20/2020

Brent Barron, Laboratory Director/Technical Director

LKU CL 1B

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Santos Montoya
Company Name: Premier Energy
Company Address:
City/State/Zip:
Telephone No:
Fax No:
Sampler Signature: [signature]
e-mail: smontoya@premierenergypb.com

Project Name: Fenway SWD
Project #:
Project Loc: Fenway SWD
PO #: Mike Wilson
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: OE14004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260											RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	1A	1"	3"	5-13-20	1055					X						S	X														X
2	1B	1"	3"		1056					X						S	X														
3	1C	1"	3"		1058					X						S	X														
4	1D	1"	3"		1100					X						S	X														
5	1F	1"	3"		1102					X						S	X														
6	1G	1"	3"		1103					X						S	X														
7	1H	1"	3"		1105					X						S	X														

Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other

Analyze For: TCLP: TOTAL:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	5-14-20	945			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: [signature]	5-14-20	948

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt
Received: 3.4
Adjusted: °C Factor
LC

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Certificate of Analysis Summary 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Fenway SWD

Project Id: 12802
Contact: PM
Project Location: Lea County, NM

Date Received in Lab: Fri 07.31.2020 11:00
Report Date: 08.06.2020 10:40
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	668758-001		668758-002		668758-003		668758-004		668758-005		668758-006	
	Field Id:	NH @ Surface		NH @ 1'		EH @ Surface		EH @ 1'		EH2 @ Surface		EH2 @ 1'	
	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00	
BTEX by EPA 8021B	Extracted:	08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00	
	Analyzed:	08.05.2020 23:32		08.05.2020 23:52		08.06.2020 00:13		08.06.2020 00:33		08.06.2020 00:54		08.06.2020 01:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00198	0.00198	0.00230	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	0.00242	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00396	0.00396	<0.00399	0.00399	<0.00399	0.00399	<0.00400	0.00400
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	0.00472	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	Extracted:	07.31.2020 15:00		07.31.2020 15:00		07.31.2020 15:00		07.31.2020 15:00		07.31.2020 15:00		07.31.2020 15:00	
	Analyzed:	07.31.2020 16:42		07.31.2020 16:47		07.31.2020 17:03		07.31.2020 17:08		07.31.2020 17:24		07.31.2020 17:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		98.9	5.00	14.5	5.02	152	4.99	13.4	4.96	47.3	5.02	12.2	4.95
TPH By SW8015 Mod	Extracted:	08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00	
	Analyzed:	08.01.2020 17:26		08.01.2020 17:47		08.01.2020 18:08		08.01.2020 18:29		08.01.2020 18:50		08.01.2020 19:12	
	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	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<49.9	49.9	<49.8	49.8	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Fenway SWD

Project Id: 12802
Contact: PM
Project Location: Lea County, NM

Date Received in Lab: Fri 07.31.2020 11:00
Report Date: 08.06.2020 10:40
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	668758-007		668758-008		668758-009		668758-010		668758-011		668758-012	
	Field Id:	SH @ Surface		SH @ 1'		WH @ Surface		WH @ 1'		Sample 1A @1'		Sample 1B @1'	
	Depth:			1- ft				1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00	
	Analyzed:	08.06.2020 01:35		08.06.2020 02:57		08.06.2020 03:18		08.06.2020 03:38		08.06.2020 03:58		08.06.2020 04:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00200	0.00200	0.00266	0.00202	<0.00201	0.00201	0.00239	0.00198	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00200	0.00200	0.00204	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00399	0.00399	<0.00403	0.00403	<0.00402	0.00402	<0.00397	0.00397	<0.00399	0.00399	<0.00404	0.00404
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Total BTEX		<0.00200	0.00200	0.00470	0.00202	<0.00201	0.00201	0.00239	0.00198	<0.00200	0.00200	<0.00202	0.00202
Chloride by EPA 300	***Extracted:***	07.31.2020 15:00		07.31.2020 15:00		07.31.2020 15:00		07.31.2020 15:00		07.31.2020 15:00		07.31.2020 17:30	
	Analyzed:	07.31.2020 17:35		07.31.2020 17:40		07.31.2020 17:45		07.31.2020 17:51		07.31.2020 17:56		07.31.2020 18:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		14.8	4.99	9.27	5.00	11.7	5.00	9.81	5.00	9.40	5.04	223	5.00
TPH By SW8015 Mod	***Extracted:***	08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00	
	Analyzed:	08.01.2020 19:33		08.01.2020 20:15		08.01.2020 20:36		08.01.2020 20:57		08.01.2020 21:18		08.01.2020 21:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Fenway SWD

Project Id: 12802
Contact: PM
Project Location: Lea County, NM

Date Received in Lab: Fri 07.31.2020 11:00
Report Date: 08.06.2020 10:40
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	668758-013		668758-014		668758-015		668758-016		668758-017	
	Field Id:	Sample 1C @1'		Sample 1D @1'		Sample 1F @1'		Sample 1G @1'		Sample 1H @1'	
	Depth:	1- ft		1- ft		1- ft		1- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00		07.28.2020 00:00	
BTEX by EPA 8021B	***Extracted:***	08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00		08.05.2020 16:00	
	Analyzed:	08.06.2020 04:40		08.06.2020 05:00		08.06.2020 05:20		08.06.2020 05:41		08.06.2020 06:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00201	0.00201
Toluene		<0.00200	0.00200	0.00259	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00201	0.00201
m,p-Xylenes		<0.00401	0.00401	<0.00402	0.00402	<0.00404	0.00404	<0.00398	0.00398	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	0.00460	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	07.31.2020 17:30		07.31.2020 17:30		07.31.2020 17:30		07.31.2020 17:30		07.31.2020 17:30	
	Analyzed:	07.31.2020 18:52		07.31.2020 18:58		07.31.2020 19:05		07.31.2020 19:11		07.31.2020 19:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		194	5.02	<4.99	4.99	51.6	4.96	5.23	5.02	29.1	4.99
TPH By SW8015 Mod	***Extracted:***	08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00		08.01.2020 11:00	
	Analyzed:	08.01.2020 21:59		08.01.2020 22:20		08.01.2020 22:41		08.01.2020 23:02		08.01.2020 23:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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

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Analytical Report 668758

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Fenway SWD

12802

08.06.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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08.06.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **668758**
Fenway SWD
Project Address: 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) 668758. 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. 668758 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 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NH @ Surface	S	07.28.2020 00:00		668758-001
NH @ 1'	S	07.28.2020 00:00	1 ft	668758-002
EH @ Surface	S	07.28.2020 00:00		668758-003
EH @ 1'	S	07.28.2020 00:00	1 ft	668758-004
EH2 @ Surface	S	07.28.2020 00:00		668758-005
EH2 @ 1'	S	07.28.2020 00:00	1 ft	668758-006
SH @ Surface	S	07.28.2020 00:00		668758-007
SH @ 1'	S	07.28.2020 00:00	1 ft	668758-008
WH @ Surface	S	07.28.2020 00:00		668758-009
WH @ 1'	S	07.28.2020 00:00	1 ft	668758-010
Sample 1A @1'	S	07.28.2020 00:00	1 ft	668758-011
Sample 1B @1'	S	07.28.2020 00:00	1 ft	668758-012
Sample 1C @1'	S	07.28.2020 00:00	1 ft	668758-013
Sample 1D @1'	S	07.28.2020 00:00	1 ft	668758-014
Sample 1F @1'	S	07.28.2020 00:00	1 ft	668758-015
Sample 1G @1'	S	07.28.2020 00:00	1 ft	668758-016
Sample 1H @1'	S	07.28.2020 00:00	1 ft	668758-017

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CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Fenway SWD

Project ID: *12802*
Work Order Number(s): *668758*

Report Date: *08.06.2020*
Date Received: *07.31.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3133691 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 668758-001,668758-002,668758-003,668758-007,668758-010,668758-016,668758-012,668758-013,668758-014,668758-015,668758-011.

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id: **NH @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-001 Date Collected: 07.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.31.2020 15:00 Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**98.9**	5.00	mg/kg	07.31.2020 16:42		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 08.01.2020 11:00 Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 17:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 17:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 17:26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 17:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	08.01.2020 17:26	
o-Terphenyl	84-15-1	99	%	70-130	08.01.2020 17:26	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id: **NH @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-001 Date Collected: 07.28.2020 00:00

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 08.05.2020 16:00 Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.05.2020 23:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.05.2020 23:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.05.2020 23:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.05.2020 23:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.05.2020 23:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.05.2020 23:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.05.2020 23:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	140	%	70-130	08.05.2020 23:32	**
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.05.2020 23:32	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**NH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-002	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 15:00	Basis:	Wet Weight
Seq Number:	3133292				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.5**	5.02	mg/kg	07.31.2020 16:47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.01.2020 17:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.01.2020 17:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.01.2020 17:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.01.2020 17:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	08.01.2020 17:47	
o-Terphenyl	84-15-1	106	%	70-130	08.01.2020 17:47	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**NH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-002	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.05.2020 23:52	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.05.2020 23:52	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.05.2020 23:52	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	08.05.2020 23:52	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.05.2020 23:52	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.05.2020 23:52	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.05.2020 23:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.05.2020 23:52	
4-Bromofluorobenzene	460-00-4	135	%	70-130	08.05.2020 23:52	**

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id: **EH @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-003 Date Collected: 07.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.31.2020 15:00 Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**152**	4.99	mg/kg	07.31.2020 17:03		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 08.01.2020 11:00 Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.01.2020 18:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.01.2020 18:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.01.2020 18:08	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.01.2020 18:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	08.01.2020 18:08	
o-Terphenyl	84-15-1	100	%	70-130	08.01.2020 18:08	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id: **EH @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-003 Date Collected: 07.28.2020 00:00

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 08.05.2020 16:00 Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.06.2020 00:13	U	1
Toluene	108-88-3	**0.00230**	0.00198	mg/kg	08.06.2020 00:13		1
Ethylbenzene	100-41-4	**0.00242**	0.00198	mg/kg	08.06.2020 00:13		1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.06.2020 00:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.06.2020 00:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.06.2020 00:13	U	1
Total BTEX		**0.00472**	0.00198	mg/kg	08.06.2020 00:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 00:13	
4-Bromofluorobenzene	460-00-4	131	%	70-130	08.06.2020 00:13	**

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**EH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-004	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 15:00	Basis:	Wet Weight
Seq Number:	3133292				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.4**	4.96	mg/kg	07.31.2020 17:08		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.01.2020 18:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.01.2020 18:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.01.2020 18:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.01.2020 18:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	08.01.2020 18:29	
o-Terphenyl	84-15-1	99	%	70-130	08.01.2020 18:29	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**EH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-004	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 00:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 00:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 00:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 00:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 00:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 00:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 00:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 00:33	
4-Bromofluorobenzene	460-00-4	129	%	70-130	08.06.2020 00:33	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id: **EH2 @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-005 Date Collected: 07.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.31.2020 15:00 Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**47.3**	5.02	mg/kg	07.31.2020 17:24		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 08.01.2020 11:00 Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.01.2020 18:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.01.2020 18:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.01.2020 18:50	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.01.2020 18:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	08.01.2020 18:50	
o-Terphenyl	84-15-1	107	%	70-130	08.01.2020 18:50	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id: **EH2 @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-005 Date Collected: 07.28.2020 00:00

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 08.05.2020 16:00 Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 00:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 00:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 00:54	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 00:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 00:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 00:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 00:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.06.2020 00:54	
4-Bromofluorobenzene	460-00-4	124	%	70-130	08.06.2020 00:54	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**EH2 @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-006	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 15:00	Basis:	Wet Weight
Seq Number:	3133292				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.2**	4.95	mg/kg	07.31.2020 17:30		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 19:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 19:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 19:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 19:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	08.01.2020 19:12	
o-Terphenyl	84-15-1	102	%	70-130	08.01.2020 19:12	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**EH2 @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-006	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 01:14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 01:14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 01:14	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.06.2020 01:14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 01:14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 01:14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 01:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.06.2020 01:14	
4-Bromofluorobenzene	460-00-4	127	%	70-130	08.06.2020 01:14	

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Fenway SWD

Sample Id: **SH @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-007 Date Collected: 07.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.31.2020 15:00 Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.8**	4.99	mg/kg	07.31.2020 17:35		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 08.01.2020 11:00 Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 19:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 19:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 19:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 19:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	08.01.2020 19:33	
o-Terphenyl	84-15-1	99	%	70-130	08.01.2020 19:33	

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Fenway SWD

Sample Id:	**SH @ Surface**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-007	Date Collected:	07.28.2020 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 01:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 01:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 01:35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 01:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 01:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 01:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 01:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	137	%	70-130	08.06.2020 01:35	**
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.06.2020 01:35	

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Fenway SWD

Sample Id:	**SH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-008	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 15:00	Basis:	Wet Weight
Seq Number:	3133292				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.27**	5.00	mg/kg	07.31.2020 17:40		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.01.2020 20:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.01.2020 20:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.01.2020 20:15	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.01.2020 20:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	08.01.2020 20:15	
o-Terphenyl	84-15-1	103	%	70-130	08.01.2020 20:15	

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Fenway SWD

Sample Id:	**SH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-008	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.06.2020 02:57	U	1
Toluene	108-88-3	**0.00266**	0.00202	mg/kg	08.06.2020 02:57		1
Ethylbenzene	100-41-4	**0.00204**	0.00202	mg/kg	08.06.2020 02:57		1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	08.06.2020 02:57	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.06.2020 02:57	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.06.2020 02:57	U	1
Total BTEX		**0.00470**	0.00202	mg/kg	08.06.2020 02:57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 02:57	
4-Bromofluorobenzene	460-00-4	112	%	70-130	08.06.2020 02:57	

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Fenway SWD

Sample Id: **WH @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-009 Date Collected: 07.28.2020 00:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.31.2020 15:00 Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.7**	5.00	mg/kg	07.31.2020 17:45		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 08.01.2020 11:00 Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.01.2020 20:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.01.2020 20:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.01.2020 20:36	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.01.2020 20:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	08.01.2020 20:36	
o-Terphenyl	84-15-1	103	%	70-130	08.01.2020 20:36	

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Fenway SWD

Sample Id: **WH @ Surface** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-009 Date Collected: 07.28.2020 00:00

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 08.05.2020 16:00 Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.06.2020 03:18	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.06.2020 03:18	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.06.2020 03:18	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.06.2020 03:18	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.06.2020 03:18	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.06.2020 03:18	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.06.2020 03:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	08.06.2020 03:18	
4-Bromofluorobenzene	460-00-4	128	%	70-130	08.06.2020 03:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**WH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-010	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 15:00	Basis:	Wet Weight
Seq Number:	3133292				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.81**	5.00	mg/kg	07.31.2020 17:51		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 20:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 20:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 20:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 20:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	08.01.2020 20:57	
o-Terphenyl	84-15-1	102	%	70-130	08.01.2020 20:57	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**WH @ 1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-010	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.06.2020 03:38	U	1
Toluene	108-88-3	**0.00239**	0.00198	mg/kg	08.06.2020 03:38		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.06.2020 03:38	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	08.06.2020 03:38	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.06.2020 03:38	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.06.2020 03:38	U	1
Total BTEX		**0.00239**	0.00198	mg/kg	08.06.2020 03:38		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 03:38	
4-Bromofluorobenzene	460-00-4	131	%	70-130	08.06.2020 03:38	**

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Fenway SWD

Sample Id: **Sample 1A @1'** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-011 Date Collected: 07.28.2020 00:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.31.2020 15:00 Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.40**	5.04	mg/kg	07.31.2020 17:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 08.01.2020 11:00 Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 21:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 21:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 21:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 21:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	08.01.2020 21:18	
o-Terphenyl	84-15-1	107	%	70-130	08.01.2020 21:18	

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Fenway SWD

Sample Id: **Sample 1A @1'** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-011 Date Collected: 07.28.2020 00:00 Sample Depth: 1 ft

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 08.05.2020 16:00 Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 03:58	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 03:58	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 03:58	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.06.2020 03:58	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 03:58	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 03:58	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 03:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	150	%	70-130	08.06.2020 03:58	**
1,4-Difluorobenzene	540-36-3	99	%	70-130	08.06.2020 03:58	

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Fenway SWD

Sample Id:	**Sample 1B @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-012	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3133294				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**223**	5.00	mg/kg	07.31.2020 18:33		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 21:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 21:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 21:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 21:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	08.01.2020 21:39	
o-Terphenyl	84-15-1	106	%	70-130	08.01.2020 21:39	

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Fenway SWD

Sample Id:	**Sample 1B @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-012	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.06.2020 04:19	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.06.2020 04:19	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.06.2020 04:19	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.06.2020 04:19	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.06.2020 04:19	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.06.2020 04:19	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.06.2020 04:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	144	%	70-130	08.06.2020 04:19	**
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 04:19	

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Fenway SWD

Sample Id: **Sample 1C @1'** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-013 Date Collected: 07.28.2020 00:00 Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 07.31.2020 17:30 Basis: Wet Weight

Seq Number: 3133294

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**194**	5.02	mg/kg	07.31.2020 18:52		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 08.01.2020 11:00 Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.01.2020 21:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.01.2020 21:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.01.2020 21:59	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.01.2020 21:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-130	08.01.2020 21:59	
o-Terphenyl	84-15-1	107	%	70-130	08.01.2020 21:59	

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id: **Sample 1C @1'** Matrix: Soil Date Received:07.31.2020 11:00

Lab Sample Id: 668758-013 Date Collected: 07.28.2020 00:00 Sample Depth: 1 ft

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 08.05.2020 16:00 Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.06.2020 04:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.06.2020 04:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.06.2020 04:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.06.2020 04:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.06.2020 04:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.06.2020 04:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.06.2020 04:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.06.2020 04:40	
4-Bromofluorobenzene	460-00-4	149	%	70-130	08.06.2020 04:40	**

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Certificate of Analytical Results 668758

Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1D @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-014	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3133294				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	07.31.2020 18:58	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.01.2020 22:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.01.2020 22:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.01.2020 22:20	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.01.2020 22:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	08.01.2020 22:20	
o-Terphenyl	84-15-1	104	%	70-130	08.01.2020 22:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1D @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-014	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.06.2020 05:00	U	1
Toluene	108-88-3	**0.00259**	0.00201	mg/kg	08.06.2020 05:00		1
Ethylbenzene	100-41-4	**0.00201**	0.00201	mg/kg	08.06.2020 05:00		1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.06.2020 05:00	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.06.2020 05:00	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.06.2020 05:00	U	1
Total BTEX		**0.00460**	0.00201	mg/kg	08.06.2020 05:00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	133	%	70-130	08.06.2020 05:00	**
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.06.2020 05:00	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1F @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-015	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3133294				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**51.6**	4.96	mg/kg	07.31.2020 19:05		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 22:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 22:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 22:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 22:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-130	08.01.2020 22:41	
o-Terphenyl	84-15-1	107	%	70-130	08.01.2020 22:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1F @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-015	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.06.2020 05:20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.06.2020 05:20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.06.2020 05:20	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.06.2020 05:20	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.06.2020 05:20	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.06.2020 05:20	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.06.2020 05:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.06.2020 05:20	
4-Bromofluorobenzene	460-00-4	154	%	70-130	08.06.2020 05:20	**

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1G @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-016	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3133294				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.23**	5.02	mg/kg	07.31.2020 19:11		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 23:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 23:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 23:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 23:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	08.01.2020 23:02	
o-Terphenyl	84-15-1	104	%	70-130	08.01.2020 23:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1G @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-016	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.06.2020 05:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.06.2020 05:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.06.2020 05:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.06.2020 05:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.06.2020 05:41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.06.2020 05:41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.06.2020 05:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	144	%	70-130	08.06.2020 05:41	**
1,4-Difluorobenzene	540-36-3	99	%	70-130	08.06.2020 05:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1H @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-017	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	07.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3133294				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**29.1**	4.99	mg/kg	07.31.2020 19:30		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	08.01.2020 11:00	Basis:	Wet Weight
Seq Number:	3133327				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.01.2020 23:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.01.2020 23:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.01.2020 23:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.01.2020 23:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-130	08.01.2020 23:23	
o-Terphenyl	84-15-1	107	%	70-130	08.01.2020 23:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Fenway SWD

Sample Id:	**Sample 1H @1'**	Matrix:	Soil	Date Received:	07.31.2020 11:00
Lab Sample Id:	668758-017	Date Collected:	07.28.2020 00:00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	08.05.2020 16:00	Basis:	Wet Weight
Seq Number:	3133691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.06.2020 06:01	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.06.2020 06:01	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.06.2020 06:01	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.06.2020 06:01	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.06.2020 06:01	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.06.2020 06:01	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.06.2020 06:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	08.06.2020 06:01	
1,4-Difluorobenzene	540-36-3	106	%	70-130	08.06.2020 06:01	

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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

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QC Summary 668758

Etech Environmental & Safety Solution, Inc

Fenway SWD

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133292 — Matrix: Solid — Date Prep: 07.31.2020
MB Sample Id: 7708499-1-BLK — LCS Sample Id: 7708499-1-BKS — LCSD Sample Id: 7708499-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	251	100	258	103	90-110	3	20	mg/kg	07.31.2020 15:23	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133294 — Matrix: Solid — Date Prep: 07.31.2020
MB Sample Id: 7708554-1-BLK — LCS Sample Id: 7708554-1-BKS — LCSD Sample Id: 7708554-1-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	254	102	254	102	90-110	0	20	mg/kg	07.31.2020 18:20	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133292 — Matrix: Soil — Date Prep: 07.31.2020
Parent Sample Id: 668639-003 — MS Sample Id: 668639-003 S — MSD Sample Id: 668639-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	682	252	903	88	907	89	90-110	0	20	mg/kg	07.31.2020 15:39	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133292 — Matrix: Soil — Date Prep: 07.31.2020
Parent Sample Id: 668758-002 — MS Sample Id: 668758-002 S — MSD Sample Id: 668758-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	14.5	251	289	109	288	109	90-110	0	20	mg/kg	07.31.2020 16:53	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133294 — Matrix: Soil — Date Prep: 07.31.2020
Parent Sample Id: 668758-012 — MS Sample Id: 668758-012 S — MSD Sample Id: 668758-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	223	250	462	96	462	96	90-110	0	20	mg/kg	07.31.2020 18:39	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3133294 — Matrix: Soil — Date Prep: 07.31.2020
Parent Sample Id: 668767-005 — MS Sample Id: 668767-005 S — MSD Sample Id: 668767-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1150	1250	2360	97	2350	96	90-110	0	20	mg/kg	07.31.2020 20:08	

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

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QC Summary 668758

Etech Environmental & Safety Solution, Inc

Fenway SWD

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3133327 — Matrix: Solid — Date Prep: 08.01.2020
MB Sample Id: 7708575-1-BLK — LCS Sample Id: 7708575-1-BKS — LCSD Sample Id: 7708575-1-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	895	90	849	85	70-130	5	20	mg/kg	08.01.2020 14:58	
Diesel Range Organics (DRO)	<50.0	1000	940	94	898	90	70-130	5	20	mg/kg	08.01.2020 14:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		111		107		70-130	%	08.01.2020 14:58
o-Terphenyl	94		109		103		70-130	%	08.01.2020 14:58

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3133327 — Matrix: Solid — Date Prep: 08.01.2020
MB Sample Id: 7708575-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.01.2020 14:36	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3133327 — Matrix: Soil — Date Prep: 08.01.2020
Parent Sample Id: 668757-001 — MS Sample Id: 668757-001 S — MSD Sample Id: 668757-001 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	811	81	819	82	70-130	1	20	mg/kg	08.01.2020 16:01	
Diesel Range Organics (DRO)	<49.9	998	834	84	850	85	70-130	2	20	mg/kg	08.01.2020 16:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		111		70-130	%	08.01.2020 16:01
o-Terphenyl	107		106		70-130	%	08.01.2020 16:01

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3133691 — Matrix: Solid — Date Prep: 08.05.2020
MB Sample Id: 7708814-1-BLK — LCS Sample Id: 7708814-1-BKS — LCSD Sample Id: 7708814-1-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	0.0835	84	0.0819	82	70-130	2	35	mg/kg	08.05.2020 20:08	
Toluene	<0.00200	0.100	0.0905	91	0.0904	90	70-130	0	35	mg/kg	08.05.2020 20:08	
Ethylbenzene	<0.00200	0.100	0.0982	98	0.0981	98	70-130	0	35	mg/kg	08.05.2020 20:08	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.198	99	70-130	1	35	mg/kg	08.05.2020 20:08	
o-Xylene	<0.00200	0.100	0.0971	97	0.0970	97	70-130	0	35	mg/kg	08.05.2020 20:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		93		92		70-130	%	08.05.2020 20:08
4-Bromofluorobenzene	111		116		117		70-130	%	08.05.2020 20:08

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

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QC Summary 668758

Etech Environmental & Safety Solution, Inc

Fenway SWD

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

Seq Number: 3133691 Matrix: Soil Date Prep: 08.05.2020

Parent Sample Id: 668757-001 MS Sample Id: 668757-001 S MSD Sample Id: 668757-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0626	63	0.0664	67	70-130	6	35	mg/kg	08.05.2020 20:49	X
Toluene	<0.00201	0.100	0.0615	62	0.0675	68	70-130	9	35	mg/kg	08.05.2020 20:49	X
Ethylbenzene	<0.00201	0.100	0.0602	60	0.0679	68	70-130	12	35	mg/kg	08.05.2020 20:49	X
m,p-Xylenes	<0.00402	0.201	0.118	59	0.134	68	70-130	13	35	mg/kg	08.05.2020 20:49	X
o-Xylene	<0.00201	0.100	0.0578	58	0.0655	66	70-130	12	35	mg/kg	08.05.2020 20:49	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		97		70-130	%	08.05.2020 20:49
4-Bromofluorobenzene	110		120		70-130	%	08.05.2020 20:49

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

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

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

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

Chain of Custody

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

Work Order No: 1068758

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Project Manager:	Joel Lowry	Bill to: (If different)	
Company Name:	Etech Environmental & Safety	Company Name:	Goodnight Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Fenway SWD	Turn Around	
Project Number:	12302	Routine:	☑
Project Location	Lea County, NM	Rush:	☐
Sampler's Name:	Miguel Rubinez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temperature (°C):	1.2° 0.002	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
NH@surface	Soil	7-28-20			1	X	X	X	
NH@1'	Soil	7-28-20		1'	1	X	X	X	
EH1@surface	Soil	7-28-20			1	X	X	X	
EH1@1'	Soil	7-28-20		1'	1	X	X	X	
EH2@surface	Soil	7-28-20			1	X	X	X	
EH2@1'	Soil	7-28-20		1'	1	X	X	X	
SH@surface	Soil	7-28-20			1	X	X	X	
SH@1'	Soil	7-28-20		1'	1	X	X	X	
WH@surface	Soil	7-28-20			1	X	X	X	
WH@1'	Soil	7-28-20		1'	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	Stephanie Rojas	7/30 2:34	2 Stephanie Rojas	7/31/20	7/30 2:40
3			4		
5			6		

Revised Date 101419 Rev. 2019.1

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: 640758

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Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental & Safety	Company Name:	Goodnight Midstream
Address:	3100 Plains Highway	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Fenway SWD	Turn Around	
Project Number:	12802	Routine:	✓
Project Location	Lea County, NM	Rush:	☐
Sampler's Name:	Miguel Ramirez	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	1.9° 0.0 1.9	Thermometer ID	
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

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

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	Chloride E300	BTEX 8021	TPH Modified Ext	TPH TX1005	Sample Comments
Sample 1A@1'	Soil	7.28.20		1'	1	X	X	X		
Sample 1B@1'	Soil	7.28.20		1'	1	X	X	X		
Sample 1C@1'	Soil	7.28.20		1'	1	X	X	X		
Sample 1D@1'	Soil	7.28.20		1'	1	X	X	X		
Sample 1E@1'	Soil	7.28.20		1'	1	X	X	X		
Sample 1G@1'	Soil	7.28.20		1'	1	X	X	X		
Sample 1H@1'	Soil	7.28.20		1'	1	X	X	X		

Total 200.7 / 6010 **200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Stephanie Rojas	7/30 2:34	2 Stephanie Rojas		7/30 2:40
3			4		
5			6		1100

Revised Date101419 Rev. 2019.1

ORIGIN ID:HOBA (575) 392-7550
*
MAIL SERVICES ETC
4008 N GRIMES

HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 30JUL20
ACTWGT: 29.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 18x14x12 IN

BILL THIRD PARTY

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

MIDLAND TX 79711
(432) 704-5440 REF:
INV:
PO: DEPT:

565C3/C6A6/05A2

FedEx
Express

E

J191219082001uv

FRI - 31 JUL HOLD
PRIORITY OVERNIGHT
HLD

TRK# 9061 5134 6522
0201

MAFA
TX-US LBB

41 MAFA

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 07.31.2020 11.00.00 AM

Work Order #: 668758

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	
#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: 07.31.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 07.31.2020
Jessica Kramer