State of New Mexico
Oil Conservation Division

Incident ID	nAPP2122448965
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	106 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2122448965
District RP	
Facility ID	
Application ID	

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

Printed Name: _Dean D. Ericson_____ Title: Sr. Environmental Specialist

Signature: Dean D. Ericson Date: 121422

email: __dean.ericson@energytransfer.com_____Telephone: _432-238-2142_____

OCD Only

Received by: Jocelyn Harimon Date: 12/15/2022

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2122448965
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

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

Printed Name: Dean D. Ericson Title: Sr. Environmental Specialist

Signature: Dean D. Ericson Date: 121422

email: dean.ericson@energytransfer.com Telephone: (432)238-2142

OCD Only

Received by: Jocelyn Harimon Date: 12/15/2022

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

Closure Approved by: Jennifer Nobui Date: 01/12/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Remediation Summary & Soil Closure Request

ETC Texas Pipeline, Ltd.
16-NM-R001-1351 Pipeline
Lea County, New Mexico
Unit Letter "I", Section 31, Township 23 South, Range 37 East
Latitude 32.25841 North, Longitude 103.19612 West
NMOCD Reference No. nAPP2122448965

Prepared By:

Etech Environmental & Safety Solutions, Inc.
6309 Indiana Ave., Suite D
Lubbock, TX 79413

Ben J. Arguijo

Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of ETC Texas Pipeline, Ltd., has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the 16-NM-R001-1351 Pipeline (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.25841 Longitude: -103.19612

Provided GPS are in WGS84 format.

Site Name:	16-NM-R001-1351 Pipeline	Site Type:	Pipeline
Date Release Discovered:	7/30/2021	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"I"	31	23S	37E	Lea

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name Deep Wells Ranch, Inc.)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	[ ] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[X] Natural Gas	Volume Released (Mcf) 78	Volume Recovered (Mcf) 0
[X] Other (describe) Pipeline liquids	Volume/Weight Released (bbls) 13.06	Volume/Weight Recovered (bbls) 3

Cause of Release:
The release was attributed to corrosion of a pipeline segment. The line was blown-down for repair, then purged to put back in service.

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 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?	106'
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) and Fish & Wildlife Services (FWS) shapefiles, topographic maps, NMOSE and USGS databases, and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
106'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)
† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).
‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

On August 17 and 18, 2021, an initial site assessment was conducted by a third-party environmental contractor. During the initial site assessment, a series of test trenches (H1 through H4, RD1 through RD9, and V1) were advanced at the Site in an effort to determine the horizontal and vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses.

Based on field observations and field test data, a total of 48 delineation soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal extent of impacted soil was adequately defined. However, additional vertical delineation and/or excavation was required in the areas characterized by test trenches RD1, RD3, and V1.

The locations of the test trenches are depicted in the field sketch provided in Appendix B. Soil chemistry data is summarized in Table 1. Laboratory analytical reports are provided in Appendix D.

5.0 REMEDIATION ACTIVITIES SUMMARY

On November 29, 2021, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a Hach Quantab ® chloride test kit were utilized to field-screen the horizontal extent of impacted soil and to guide the excavation. The sidewalls and floors of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floors of the excavated area to be submitted for laboratory analysis. Based on laboratory analytical results and field screens, the excavation was subdivided into two (2) sections: Main Excavation and a deeper Subexcavation at/near the point of release (Release Point Subexcavation).

On November 29, 2021, Etech advanced a test trench in the area characterized by sample point V1 in an effort to further investigate the vertical extent of impacted soil at/near the point of release. During the advancement of the test trench, soil samples were collected and field-screened utilizing olfactory/visual senses and/or a chloride test kit. Based on field observations and field test data, a delineation soil sample (Floor 1 @ 17') was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. The BTEX concentration was also below the laboratory method detection limit (MDL). The TPH concentration was 20.9 mg/kg, and the chloride concentration was 32.0 mg/kg. Based on these laboratory analytical results, the vertical extent of impacted soil was adequately defined in the areas characterized by sample point V1.

On November 30, 2021, Etech collected 13 confirmation soil samples (NSW #1 through NSW #4, ESW #1, SSW #1 through SSW #4, and FL #1 @ 2' through FL #4 @ 2') from the sidewalls and floor of the Main Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. BTEX concentrations were below the laboratory MDL in each of the submitted soil samples, with the exception of sample FL #1 @ 2', which exhibited a BTEX concentration of 3.09 mg/kg. TPH concentrations ranged from less than the laboratory MDL in soil samples NSW #2 and FL #4 @ 2' to 3,847 mg/kg in soil sample FL #1 @ 2'. TPH concentrations exceeded the NMOCD Closure Criterion and/or NMOCD Reclamation Standard in soil samples NSW #1, NSW #4, SSW #1, SSW #2, FL #1 @ 2', FL #2 @ 2', and FL #3 @ 2'. Chloride concentrations ranged from less than the laboratory MDL in soil samples SSW #2, FL #1 @ 2', and FL #2 @ 2' to 112 mg/kg in soil sample FL #4 @ 2'.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NSW #1, NSW #4, SSW #1, SSW #2, FL #1 @ 2', FL #2 @ 2', and FL #3 @ 2'.

On December 2, 2021, Etech collected 11 confirmation soil samples (NSW #5 through NSW #7, ESW #2, SSW #5, SSW #6, WSW #1, and FL #5 @ 4' through FL #8 @ 2') from the sidewalls and floor of the Main Excavation and eight (8) confirmation soil samples (RPNSW #1, RPNSW #2, RPESW #1, RPSSW #1, RPSSW @ 4', RPSSW #2, RPWSW #1, and RP #1 @ 10') from the sidewalls and floor of the Release Point Subexcavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX concentrations were below the laboratory MDL in a majority of the submitted soil samples, with the exceptions of samples RPNSW #1, RPSSW #1, RPSSW #2, and RP #1 @ 10', which exhibited BTEX concentrations ranging from 18.8 mg/kg (RP #1 @ 10') to 91.2 mg/kg (RPSSW #2). BTEX concentrations exceeded the NMOCD Closure Criterion in soil samples RPNSW #1, RPSSW #1, and RPSSW #2. TPH concentrations ranged from less than the laboratory MDL in soil samples NSW #7, WSW #1, FL #5 @ 4', RPNSW #2, RPESW #1, RPSSW @ 4', and RPWSW #1 to 11,980 mg/kg in soil sample RPSSW #2. TPH concentrations exceeded the NMOCD Closure Criterion and/or NMOCD Reclamation Standard in soil samples NSW #5, NSW #6, ESW #2, SSW #5, FL #8 @ 2', RPNSW #1, RPSSW #1, RPSSW #2, and RP #1 @ 10'. Chloride concentrations ranged from less than the laboratory MDL in soil sample FL #5 @ 4' to 3,600 mg/kg in soil sample RPSSW #2. Chloride concentrations exceeded the NMOCD Reclamation Standard in soil samples FL #8 @ 2', RPESW #1, RPSSW #1, and RPSSW #2.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NSW #5, NSW #6, ESW #2, SSW #5, FL #8 @ 2', RPNSW #1, RPSSW #1, RPSSW #2, and RP #1 @ 10'.

On December 3, 2021, Etech collected nine (9) confirmation soil samples (NSW B #1, NSW B #2, SSW B #1, SSW B #2, SSW #7, FL #1 @ 3', FL #2 @ 3', FL #3 @ 3', and FL #9 @ 2') from the sidewalls and floor of the Main Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX concentrations were below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL in each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL in soil samples NSW B #1, SSW B #1, SSW B #2, FL #1 @ 3', FL #2 @ 3', and FL #3 @ 3' to 2,343 mg/kg in soil sample SSW #7. TPH concentrations exceeded the NMOCD Closure Criterion and/or NMOCD Reclamation Standard in soil samples NSW B #2, SSW #7, and FL #9 @ 2'. Chloride concentrations ranged from less than the laboratory MDL in soil sample SSW B #2 to 720 mg/kg in soil sample FL #9 @ 2', which exceeded the NMOCD Reclamation Standard.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NSW B #2, SSW #7, and FL #9 @ 2'.

On December 9, 2021, Etech collected nine (9) confirmation soil samples (NSW #2 C, NSW #4 B, NSW #5 B, NSW #6 B, ESW #2 B, SSW #5 B, SSW #7 B, FL #8 @ 4', and FL #9 @ 4') from the sidewalls and floor of the Main Excavation and three (3) confirmation soil samples (RP SSW #1 B, RP SSW #2 B, and RP FL #2 @ 21') from the sidewalls and floor of the Release Point Subexcavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. BTEX concentrations were also below the laboratory MDL. TPH concentrations were less than the laboratory MDL in a majority of the submitted soil samples, with the exceptions of soil samples RP SSW #2 B and RP FL #2 @ 21', which exhibited concentrations of 20.5 mg/kg and 8,680 mg/kg, respectively. The TPH concentration in soil sample RP FL #2 @ 21' exceeded the NMOCD Closure Criterion. Chloride concentrations ranged from below the laboratory MDL in soil sample RP SSW #1 B to 336 mg/kg in soil sample RP FL #2 @ 21'.

In mid-December 2021, remediation activities were temporarily suspended pending removal of the 16-NM-R001-1351 pipeline.

On November 2, 2022, Etech resumed remediation activities at the Site. Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples RPNSW #1 and RP FL #2 @ 21'.

On November 3, 2022, Etech collected two (2) confirmation soil samples (RPFL #2 NORTH and RPFL #2 SOUTH) from the floor of the Release Point Subexcavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX concentrations were also below the laboratory MDL. TPH concentrations were 191 mg/kg in soil sample RPFL #2 NORTH and 246 mg/kg in soil sample RPFL #2 SOUTH. Chloride concentrations were 848 mg/kg in soil sample RPFL #2 NORTH and 176 mg/kg in soil sample RPFL #2 SOUTH.

On November 7, 2022, Etech collected two (2) soil samples (RP NSW @ 21-30 and RP SSW @ 21-30) from the sidewalls of the Release Point Subexcavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations exceeded the applicable NMOCD Closure Criteria in each of the submitted soil samples, while chloride concentrations were below the NMOCD Closure Criterion. BTEX concentrations were 101 mg/kg in soil sample RP NSW @ 21-30 and 112 mg/kg in soil sample RP SSW @ 21-30. TPH concentrations were 9,708 mg/kg in soil sample RP NSW @ 21-30 and 9,532 mg/kg in soil sample RP SSW @ 21-30. Chloride concentrations were 64.0 mg/kg in soil sample RP NSW @ 21-30 and 1,870 mg/kg in soil sample RP SSW @ 21-30.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples RP NSW @ 21-30 and RP SSW @ 21-30.

On November 9, 2022, Etech collected six (6) confirmation soil samples (RP ESW #2, RP SWE #2, RP SWW #2, RP WSW #2, RP FL #3, and RP FL #4) from the sidewalls and floor of the Release Point Subexcavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil sample RP WSW #2 to 240 mg/kg in soil sample RP FL #4.

On November 22, 2022, Etech collected two (2) confirmation soil samples (RP NSW #1 B and RP FL #5) from the sidewalls and floor of the Release Point Subexcavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. The chloride concentration was 48.0 mg/kg in each of the submitted soil samples.

The final dimensions of the Main Excavation were approximately 280 feet in length, 15 to 50 feet in width, and two (2) to four (4) feet in depth. The final dimensions of the Release Point Subexcavation were approximately 50 feet in length, 20 feet in width, and 28 to 30 feet in depth. During the course of remediation activities, Etech transported approximately 1,598 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported an equivalent volume of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extents of the excavated areas are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and a soil profile log are provided in Appendix B. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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

7.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends ETC Texas Pipeline, Ltd., provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Site.

8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced 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 ETC Texas Pipeline, Ltd. Use of the information contained in this report is prohibited without the consent of Etech and/or ETC Texas Pipeline, Ltd.

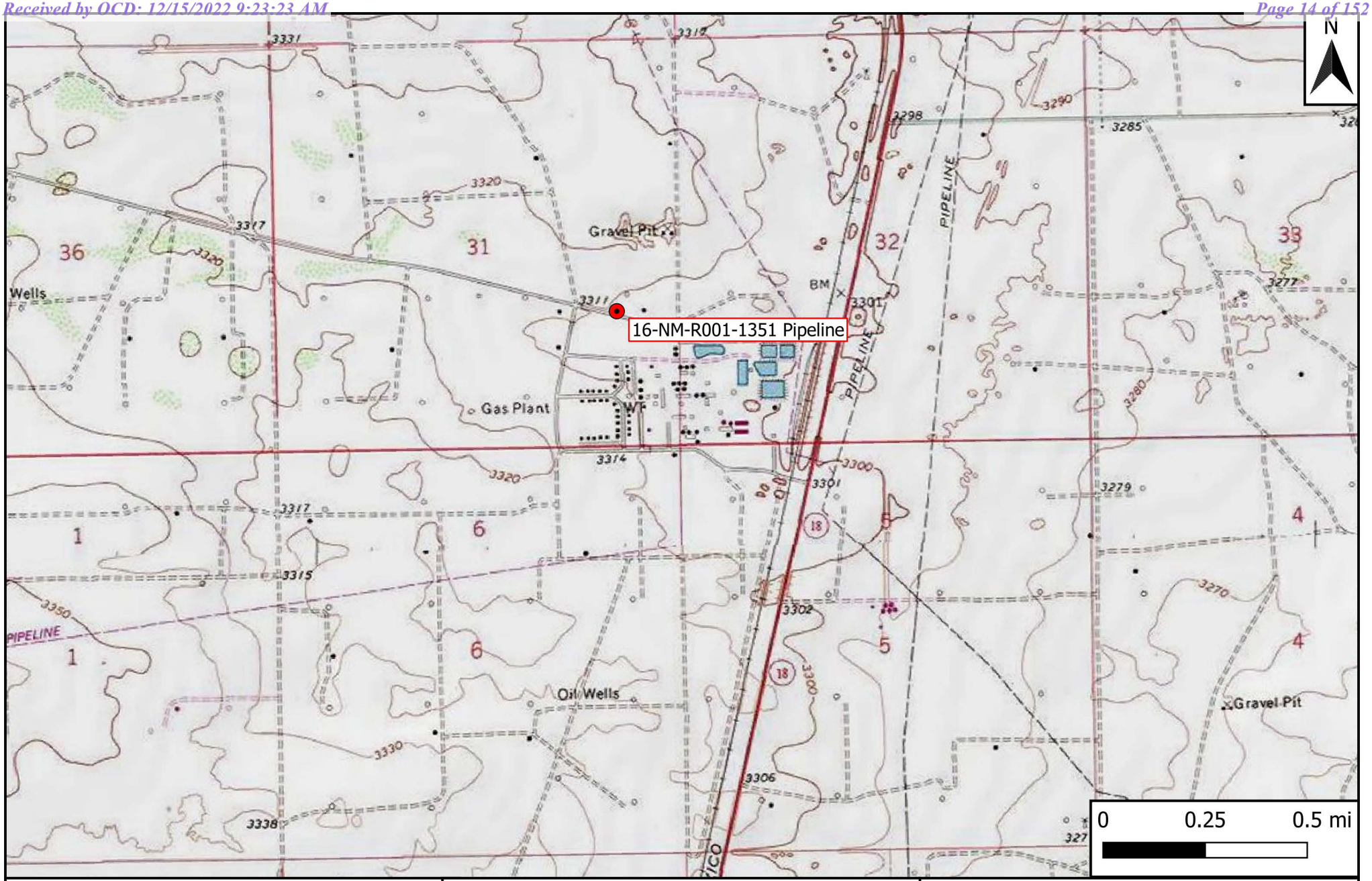
9.0 DISTRIBUTION

ETC Texas Pipeline, Ltd.
600 N. Marienfeld. St.
Suite 700
Midland, TX 79701

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

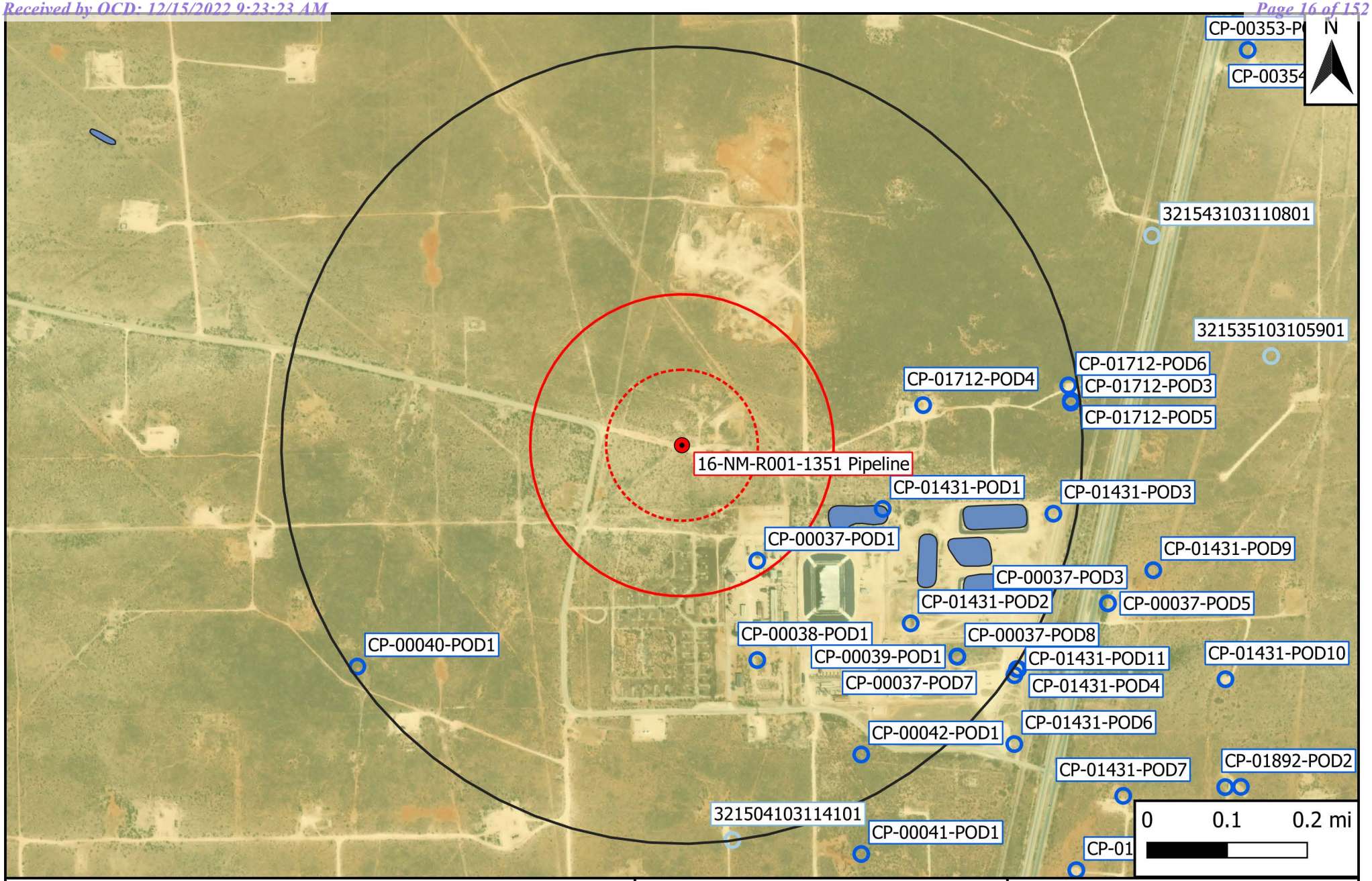
- Site Location

Figure 1
Topographic Map
ETC Texas Pipeline, Ltd.
16-NM-R001-1351 Pipeline
GPS: 32.25841, -103.19612
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 12/7/22

Figure 2
Site Characterization Map



Legend

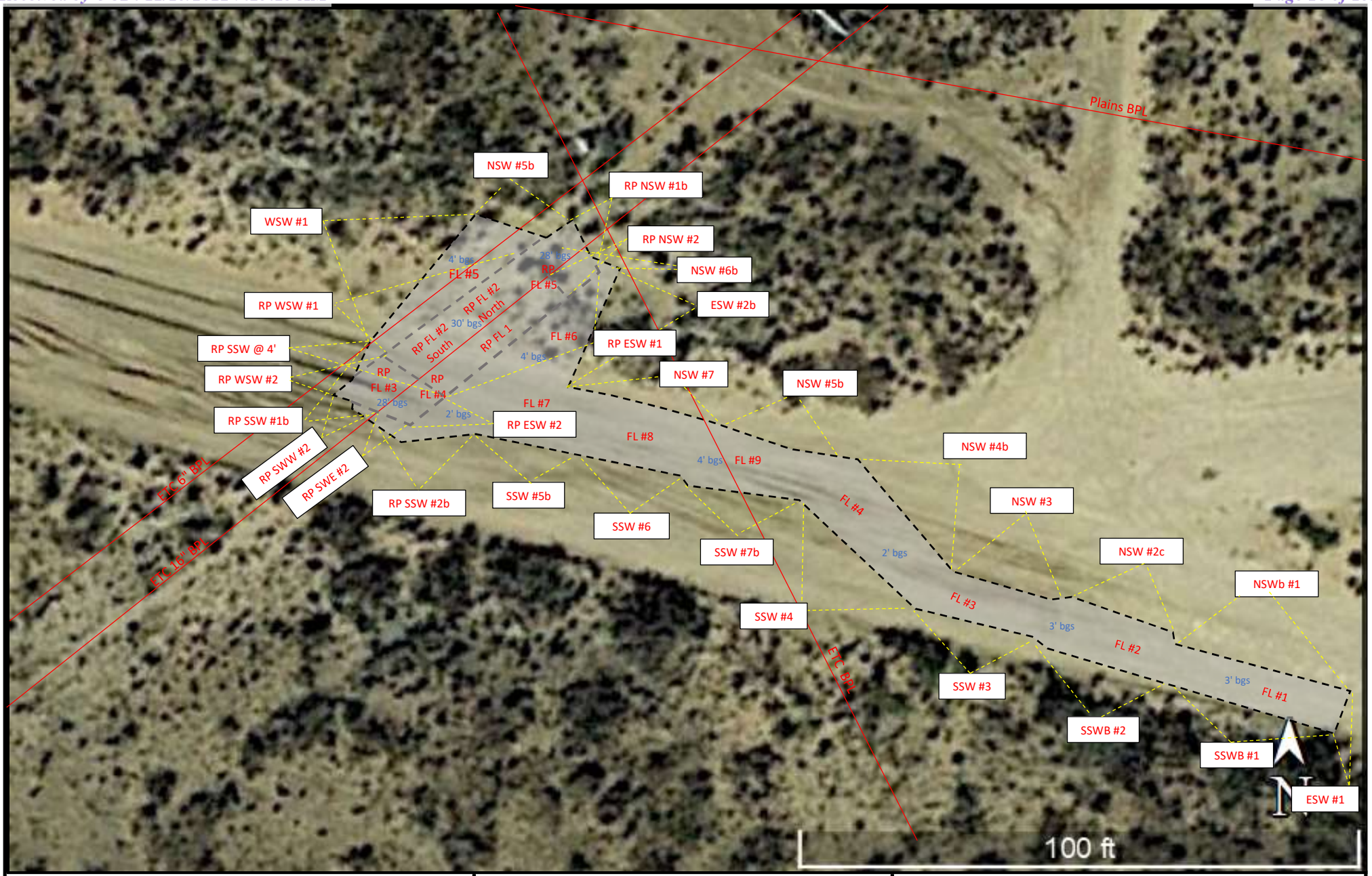
- Site Location
- Well - NMOSE
- Well - USGS
- Well - Exploratory/Monitor
- Potash Mine Workings
- 1% Annual Flood Chance
- Emergent/Forested Wetlands
- Freshwater Pond/Lake
- Karst Potential (Low/Med./High)
- Riverine
- 500-Ft Radius
- 1,000-Ft Radius
- 0.5-Mi Radius
- Municipal Boundary

Figure 2
Site Characterization Map
ETC Texas Pipeline, Ltd.
16-NM-R001-1351 Pipeline
GPS: 32.25841, -103.19612
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 12/8/22

Figure 3
Site & Sample Location Map



Legend:

FL #2 Composite Sample Location

Excavated Area

Buried Pipeline

Figure 3

Site & Sample Location Map

ETC Texas Pipeline, Ltd.

16-NM-R001-1351 Pipeline

GPS: 32.25841, -103.19612

Lea County

ETECH Environmental & Safety Solutions, Inc.

Drafted: jwl Checked: bja Date: 12/8/22

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
ETC Texas Pipeline, Ltd.
16-NM-R001-1351 Pipeline
NMOCD Ref. #: nAPP2122448965

NMOCD Closure Criteria				**10**	**50**	**N/A**	**N/A**	**1,000**	**N/A**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**N/A**	**N/A**	**N/A**	**N/A**	**100**	**600**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
Delineation Samples											
H1	8/17/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H1	8/17/2021	4	Excavated	<0.050	<0.300	<10.0	85.1	85.1	<10.0	85.1	17.0
H1.2	8/17/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
H1.2	8/17/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
H1.3	8/17/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
H1.3	8/17/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
H1.4	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H1.4	8/18/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
H1.5	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H1.5	8/18/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H2	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
H2	8/18/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
H2.1	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H2.1	8/18/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H2.3	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H2.3	8/18/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H3	8/17/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
H3	8/17/2021	4	Excavated	<0.050	6.74	142	2,380	**2,520**	431	**2,950**	304
H3.1	8/17/2021	2	Excavated	<0.050	<0.300	<10.0	10.0	<20.0	13.7	13.7	48.0
H3.1	8/17/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H3.2	8/17/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H3.2	8/17/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
H4	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	89.2	89.2	<10.0	89.2	16.0
H4	8/18/2021	4	Excavated	0.0670	9.71	103	1,250	**1,350**	201	1,550	<16.0
H4.1	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H4.1	8/18/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H4.2	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H4.2	8/18/2021	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H4.3	8/18/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H4.3	8/18/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
RD1	8/18/2021	2	Excavated	<0.050	0.492	33.8	746	780	111	891	624
RD1	8/18/2021	4	In-Situ	<0.050	<0.300	<10.0	100	100	23.4	123	1,020
RD3	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	142	142	29.4	171	832
RD3	8/18/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
RD6	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
RD6	8/18/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
RD8	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
RD8	8/18/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
RD9	8/18/2021	2	Excavated	<0.050	<0.300	<10.0	47.0	47.0	<10.0	47.0	<16.0
RD9	8/18/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
V1	8/17/2021	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
ETC Texas Pipeline, Ltd.
16-NM-R001-1351 Pipeline
NMOCD Ref. #: nAPP2122448965

NMOCD Closure Criteria				**10**	**50**	**N/A**	**N/A**	**1,000**	**N/A**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**N/A**	**N/A**	**N/A**	**N/A**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**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)**
V1	8/17/2021	4	Excavated	<0.050	9.65	218	3,300	**3,520**	601	**4,120**	16.0
V1	8/17/2021	6	Excavated	0.0510	12.7	251	4,430	**4,680**	833	**5,510**	208
V1	8/17/2021	8	Excavated	0.240	39.7	741	8,550	**9,290**	1,540	**10,800**	400
V1	8/17/2021	10	Excavated	0.520	**73.4**	2,460	12,900	**15,400**	2,140	**17,500**	736
V1	8/17/2021	12	Excavated	1.92	**150**	2,940	16,100	**19,000**	3,060	**22,100**	1,320
V1	8/17/2021	14	Excavated	2.52	**157**	2,730	13,000	**15,700**	2,400	**18,100**	672
V1	8/17/2021	16	Excavated	1.56	**122**	2,260	11,600	**13,900**	2,090	**16,000**	816
FL 1 @ 17'	11/29/2021	17	In-Situ	<0.050	<0.300	<10.0	20.9	20.9	<10.0	20.9	32.0
Main Excavation Samples											
NSW #1	11/30/2021	0-3	Excavated	<0.050	<0.300	<10.0	243	243	48.4	291	16.0
NSW B #1	12/3/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NSW #2	11/30/2021	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NSW B #2	12/3/2021	0-3	Excavated	<0.050	<0.300	<10.0	102	102	<10.0	120	80.0
NSW #2 C	12/9/2021	0-3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	112
NSW #3	11/30/2021	0-3	In-Situ	<0.050	<0.300	<10.0	37.4	37.4	<10.0	37.4	64.0
NSW #4	11/30/2021	0-2	Excavated	<0.050	<0.300	23.7	1,850	**1,870**	412	2,290	64.0
NSW #4 B	12/9/2021	0-2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	448
NSW #5	12/2/2021	0-4	Excavated	<0.050	<0.300	<10.0	969	969	240	1,210	112
NSW #5 B	12/9/2021	0-4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NSW #6	12/2/2021	0-4	Excavated	<0.050	<0.300	<10.0	100	100	26.2	126	64.0
NSW #6 B	12/9/2021	0-4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NSW #7	12/2/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
ESW #1	11/30/2021	0-3	In-Situ	<0.050	<0.300	<10.0	45.6	45.6	13.0	58.6	32.0
ESW #2	12/2/2021	0-17	Excavated	<0.050	<0.300	13.2	1,100	**1,110**	244	1,360	208
ESW #2 B	12/9/2021	0-4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SSW #1	11/30/2021	0-3	Excavated	<0.050	<0.300	30.7	1,650	**1,680**	376	2,060	32.0
SSW B #1	12/3/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SSW #2	11/30/2021	0-3	Excavated	<0.050	<0.300	17.5	1,260	**1,280**	304	1,580	<16.0
SSW B #2	12/3/2021	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SSW #3	11/30/2021	0-3	In-Situ	<0.050	<0.300	<10.0	31.2	31.2	18.1	49.3	32.0
SSW #4	11/30/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	11.1	11.1	48.0
SSW #5	12/2/2021	0-2	Excavated	<0.050	<0.300	<10.0	132	132	20.5	153	256
SSW #5 B	12/9/2021	0-2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	288
SSW #6	12/2/2021	0-4	In-Situ	<0.050	<0.300	<10.0	12.3	12.3	<10.0	12.3	304
SSW #7	12/3/2021	0-4	Excavated	<0.050	<0.300	24.7	1,970	**1,990**	348	2,340	416
SSW #7 B	12/9/2021	0-4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WSW #1	12/2/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL #1 @ 2'	11/30/2021	2	Excavated	<0.050	3.09	106	3,080	**3,190**	661	**3,850**	<16.0
FL #1 @ 3'	12/3/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL #2 @ 2'	11/30/2021	2	Excavated	<0.050	<0.300	25.3	1,570	**1,600**	406	2,000	<16.0
FL #2 @ 3'	12/3/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL #3 @ 2'	11/30/2021	2	Excavated	<0.050	<0.300	<10.0	178	178	58.0	236	96.0

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
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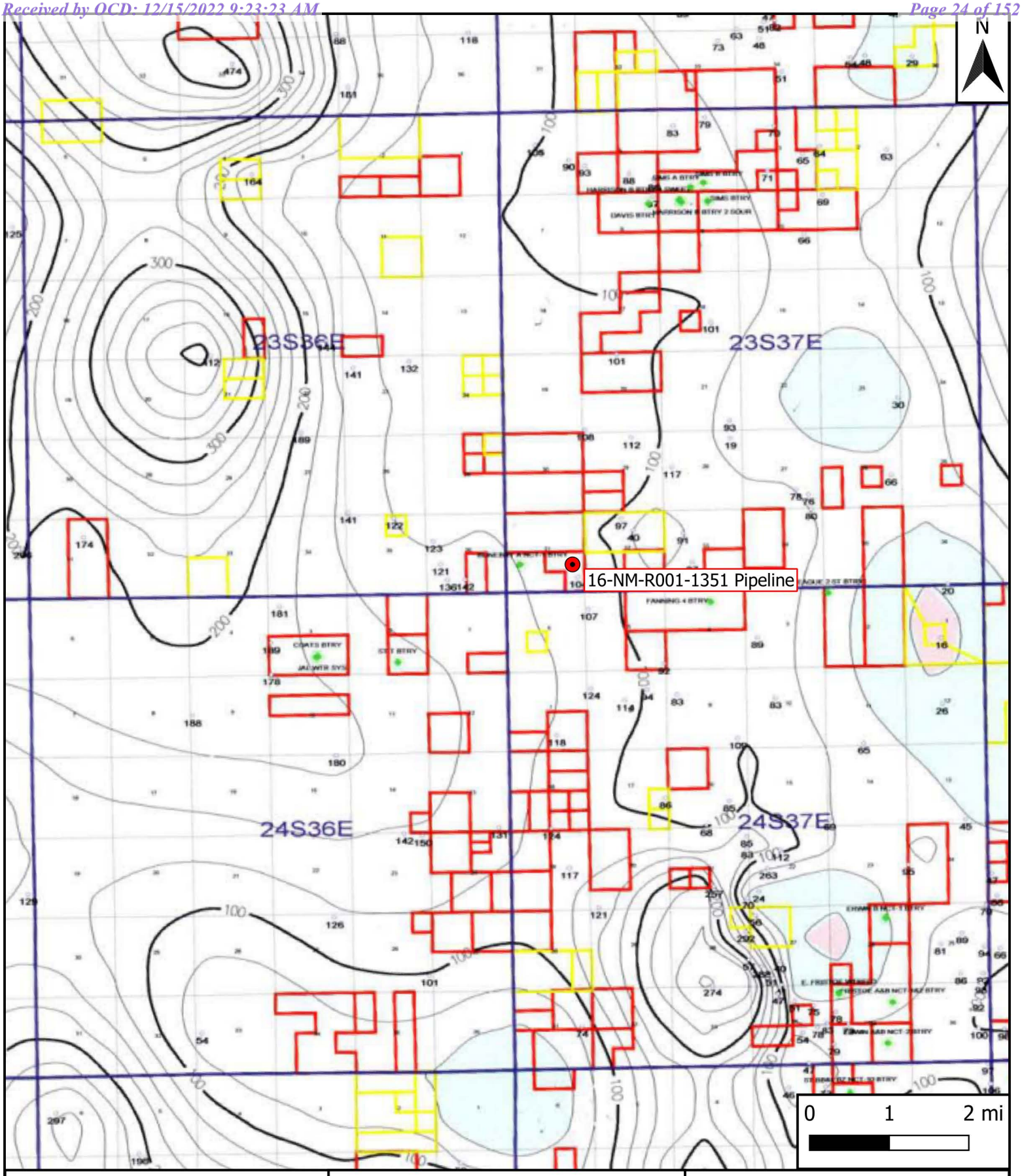
Table 1
Concentrations of BTEX, TPH & Chloride in Soil
ETC Texas Pipeline, Ltd.
16-NM-R001-1351 Pipeline
NMOCD Ref. #: nAPP2122448965

NMOCD Closure Criteria				**10**	**50**	**N/A**	**N/A**	**1,000**	**N/A**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**N/A**	**N/A**	**N/A**	**N/A**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**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)**
FL #3 @ 3'	12/3/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL #4 @ 2'	11/30/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL #5 @ 4'	12/2/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL #6 @ 4'	12/2/2021	4	In-Situ	<0.050	<0.300	<10.0	15.2	15.2	<10.0	15.2	800
FL #7 @ 2'	12/2/2021	2	In-Situ	<0.050	<0.300	<10.0	10.3	10.3	<10.0	10.3	592
FL #8 @ 2'	12/2/2021	2	Excavated	<0.050	<0.300	<10.0	143	143	23.8	167	688
FL #8 @ 4'	12/9/2021	4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL #9 @ 2'	12/3/2021	2	Excavated	<0.050	<0.300	<10.0	698	698	89.1	787	720
FL #9 @ 4'	12/9/2021	4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	576
Release Point Subexcavation Samples											
RPNSW #1	12/2/2021	0-21	Excavated	0.769	**90.9**	1,180	8,440	**9,620**	1,980	**11,600**	432
RP NSW @ 21-30	11/7/2022	21-30	Excavated	1.83	**101**	1,980	6,800	**8,780**	928	**9,710**	64.0
RP NSW #1 B	11/22/2022	21-30	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
RPNSW #2	12/2/2021	0-17	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
RPESW #1	12/2/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
RP ESW #2	11/9/2022	21-30	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
RP SWE #2	11/9/2022	21-30	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
RPSSW #1	12/2/2021	0-2	Excavated	0.258	**58.3**	797	7,290	**8,090**	2,190	**10,300**	1,220
RP SSW #1 B	12/9/2021	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
RPSSW @ 4'	12/2/2021	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
RPSSW #2	12/2/2021	0-2	Excavated	0.319	**91.2**	1,150	8,590	**9,740**	2,240	**12,000**	3,600
RP SSW #2 B	12/9/2021	0-2	In-Situ	<0.050	<0.300	<10.0	20.5	20.5	<10.0	20.5	304
RP SSW @ 21-30	11/7/2022	21-30	Excavated	2.22	**112**	1,720	6,830	**8,550**	982	**9,530**	1,870
RP SWW #2	11/9/2022	28-30	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
RPWSW #1	12/2/2021	0-21	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
RP WSW #2	11/9/2022	28-30	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
RP #1 @ 10'	12/2/2021	10	Excavated	0.0570	18.8	419	3,960	**4,380**	1,030	**5,410**	256
RP FL #2 @ 21'	12/9/2021	21	Excavated	-	-	1,370	6,010	**7,380**	1,300	**8,680**	336
RPFL #2 NORTH	11/3/2022	30	In-Situ	<0.050	<0.300	<10.0	151	151	39.5	191	848
RPFL #2 SOUTH	11/3/2022	30	In-Situ	<0.050	<0.300	<10.0	195	195	50.9	246	176
RP FL #3	11/9/2022	28	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
RP FL #4	11/9/2022	28	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
RP FL #5	11/22/2022	28	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.

Appendix A
Depth to Groundwater Information



Legend

Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

ETC Texas Pipeline, Ltd.

16-NM-R001-1351 Pipeline

GPS: 32.25841, -103.19612

Lea County

ETECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 12/8/22

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 00037 POD1		CP	LE	2	4	4	31	23S	37E	670070	3570275*	277	173	118	55
CP 01431 POD1		CP	LE	3	1	3	32	23S	37E	670322	3570379	423	179	110	69
CP 00038 POD1		CP	LE	4	4	4	31	23S	37E	670070	3570075*	457	180	124	56
CP 01712 POD4		CP	LE	4	1	3	32	23S	37E	670404	3570587	491	174	108	66
CP 01431 POD2		CP	LE	3	3	3	32	23S	37E	670378	3570148	582	176	109	67
CP 00037 POD7		CP	LE	4	3	3	32	23S	37E	670472	3570082*	697	161		
CP 00037 POD8		CP	LE	4	3	3	32	23S	37E	670472	3570082*	697	138		
CP 00039 POD1		CP	LE	4	3	3	32	23S	37E	670472	3570082*	697	175	110	65
CP 00042 POD1		CP	LE	1	1	1	05	24S	37E	670279	3569885*	718	173	111	62
CP 01431 POD3		CP	LE	1	4	3	32	23S	37E	670665	3570369	759	180	108	72
CP 01712 POD6		CP	LE	1	4	3	32	23S	37E	670695	3570627	785	173	106	67
CP 01712 POD3		CP	LE	4	1	3	32	23S	37E	670700	3570592	786	128	108	20
CP 01712 POD5		CP	LE	1	2	3	32	23S	37E	670700	3570597	786	125	106	19
CP 00040 POD1		CP	LE	4	4	3	31	23S	37E	669266	3570062*	789	175		

Average Depth to Water: **110 feet**
Minimum Depth: **106 feet**
Maximum Depth: **124 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 669918.67 **Northing (Y):** 3570507 **Radius:** 804.67

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

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New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 01431 POD1	3	1	3	32	23S	37E	670322	3570379

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	JOHN W WHITE				
Drill Start Date:	10/13/2014	**Drill Finish Date:**	10/13/2014	**Plug Date:**	
Log File Date:	11/07/2014	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	179 feet	**Depth Water:**	110 feet

Water Bearing Stratifications:	Top	Bottom	Description
	171	173	Sandstone/Gravel/Conglomerate
	173	175	Sandstone/Gravel/Conglomerate
	175	179	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	156	176

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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
NA	CP 01712 POD4	4	1	3	32	23S	37E	670404	3570587

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	JOHN W WHITE				
Drill Start Date:	12/03/2019	**Drill Finish Date:**	12/10/2019	**Plug Date:**	
Log File Date:	12/26/2019	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	174 feet	**Depth Water:**	108 feet

Water Bearing Stratifications:	Top	Bottom	Description
	53	54	Sandstone/Gravel/Conglomerate
	54	57	Sandstone/Gravel/Conglomerate
	57	61	Sandstone/Gravel/Conglomerate
	61	69	Sandstone/Gravel/Conglomerate
	69	163	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	154	174

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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 01431 POD2	3	3	3	32	23S	37E	670378	3570148

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: JOHN W WHITE

Drill Start Date: 10/10/2014 **Drill Finish Date:** 10/13/2014 **Plug Date:**

Log File Date: 11/07/2014 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 4.00 **Depth Well:** 176 feet **Depth Water:** 109 feet

Water Bearing Stratifications:	Top	Bottom	Description
	85	168	Sandstone/Gravel/Conglomerate
	168	171	Sandstone/Gravel/Conglomerate
	171	176	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	151	171

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New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 01431 POD3	1	4	3	32	23S	37E	670665	3570369

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	JOHN W WHITE				
Drill Start Date:	10/09/2014	**Drill Finish Date:**	10/14/2014	**Plug Date:**	
Log File Date:	11/07/2014	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	180 feet	**Depth Water:**	108 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	108	Sandstone/Gravel/Conglomerate
	108	115	Sandstone/Gravel/Conglomerate
	115	120	Sandstone/Gravel/Conglomerate
	120	140	Sandstone/Gravel/Conglomerate
	140	147	Sandstone/Gravel/Conglomerate
	147	168	Sandstone/Gravel/Conglomerate
	168	170	Sandstone/Gravel/Conglomerate
	170	174	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	180

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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
NA	CP 01712 POD6	1	4	3	32	23S	37E	670695	3570627

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: JOHN W WHITE

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

Log File Date: 12/26/2019 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 4.00 **Depth Well:** 173 feet **Depth Water:** 106 feet

Water Bearing Stratifications:	Top	Bottom	Description
	75	116	Sandstone/Gravel/Conglomerate
	116	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	153	173

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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
NA	CP 01712 POD3	4	1	3	32	23S	37E	670700	3570592

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: JOHN W WHITE

Drill Start Date:	12/04/2019	**Drill Finish Date:**	12/10/2019	**Plug Date:**	
Log File Date:	12/26/2019	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	128 feet	**Depth Water:**	108 feet

Water Bearing Stratifications:	Top	Bottom	Description
	62	128	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	103	128

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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
NA	CP 01712 POD5	1	2	3	32	23S	37E	670700	3570597

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: JOHN W WHITE

Drill Start Date: 12/06/2019 **Drill Finish Date:** 12/10/2019 **Plug Date:**

Log File Date: 12/26/2019 **PCW Rcv Date:** **Source:** Shallow

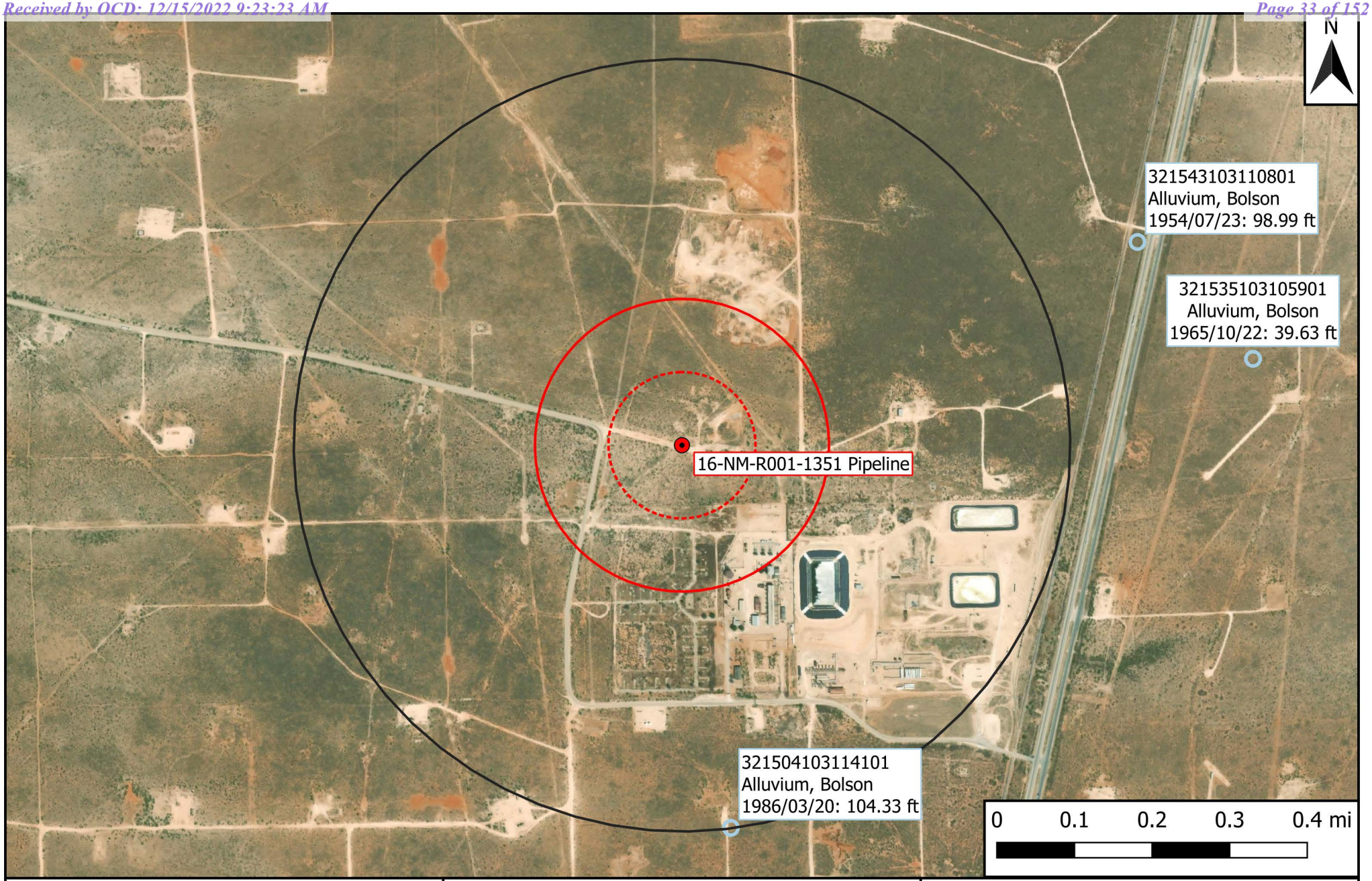
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 4.00 **Depth Well:** 125 feet **Depth Water:** 106 feet

Water Bearing Stratifications:	Top	Bottom	Description
	116	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	100	125

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



Legend
- Site Location
- Well - USGS
- 500-Ft Radius
- 1,000-Ft Radius
- 0.5-Mi Radius

Figure 5
USGS Well Proximity Map
Goodnight Midstream Permian, LLC
Blueberry SWD H-Pump Discharge
GPS: 32.459186, -103.519099
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 12/8/22

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321504103114101

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

USGS 321504103114101 23S.37E.31.442321

Lea County, New Mexico
Latitude 32°15'04", Longitude 103°11'41" NAD27
Land-surface elevation 3,312 feet above NAVD88
The depth of the well is 173 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1965-10-20		D	72019	103.56			1	Z			A
1968-02-29		D	72019	102.70			1	Z			A
1970-12-15		D	72019	100.97			1	Z			A
1976-01-20		D	72019	101.90			1	Z			A
1981-03-25		D	72019	101.50			1	Z			A
1986-03-20		D	72019	104.33			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
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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Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-12-08 20:34:42 EST
0.37 0.23 nadww01

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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321543103110801

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

USGS 321543103110801 23S.37E.32.12240

Lea County, New Mexico
Latitude 32°15'43", Longitude 103°11'08" NAD27
Land-surface elevation 3,303 feet above NAVD88
The depth of the well is 125 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1954-07-23		D	72019	98.99			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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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: 2022-12-08 20:35:40 EST
0.35 0.23 nadww01

National Water Information System: Web Interface

USGS Water Resources

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

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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321535103105901

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

USGS 321535103105901 23S.37E.32.213444

Lea County, New Mexico
Latitude 32°15'35", Longitude 103°10'59" NAD27
Land-surface elevation 3,299 feet above NAVD88
The depth of the well is 100 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1965-10-22		D	72019	39.63			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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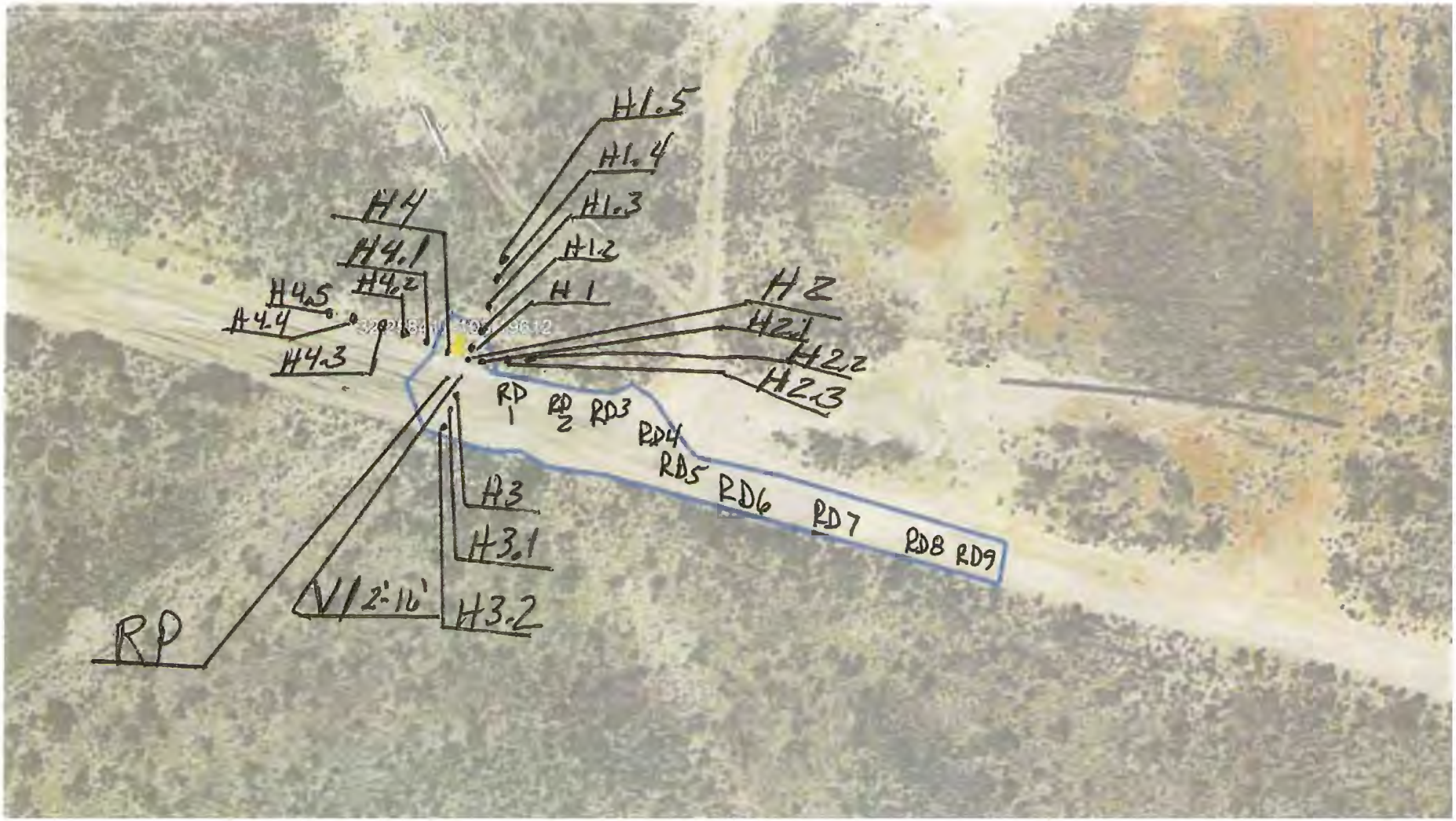
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-12-08 20:36:13 EST
0.31 0.26 nadww01

Appendix B
Field Data & Soil Profile Logs

Figure 6
Delineation Sample Location Map



eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 8/25/21

Project: 16-NM-R001-1351 Pipeline

Project Number: 14660 Latitude: 32.25841 Longitude: -103.19612

Sample ID	PID/Odor		Chloride Conc.	GPS
WW1 @ surface	— NO	1.4	< 128	
WW1 @ 1'	—	1.8	152	
EW1 @ surface	—	1.0	< 128	
EW1 @ 1'	—	0.8	< 128	
SW1 @ Surface	—	2	180	
SW1 @ 1'	—	1.4	< 128	
NW1 @ Surface	—	1.2	< 128	
NW1 @ 1'	—	0.8	~~< 128~~ < 128	
SP1 @ Surface	Oily		n/a	
SP1 @ 5'	Heavy Oily		n/a	
SP2 @ Surface	—		n/a	
FL # 1 @ 2'	Yes 133.3	ND		
SSW # 1	Yes 145.8	ND		
NSW #1	Yes 46.05	ND		
ESW # 1	Light 9.10	ND		
FL # 2 @ 2'	Light 16.60	ND		
SSW #2	Yes 213.7	ND		
NSW #2	No 2.40	ND		
FL #3 @ 2'	No 11.40	ND		
SSW #3	No 4.20	ND		
NSW #3	No 7.75	ND		
SSW #4	Light 8.10	ND		
FL #4 @ 2'	No 0.00	ND		
NSW #4	Yes 173.1	ND		

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

Soil Profile

Date: 11/3/2022

Project: 16-NM-R001-1351 Pipeline

Project Number: 14660 Latitude: 32.25841 Longitude: -103.19612

Depth (ft. bgs)	*Description*
1	
2	Brown Sandy Topsoil
3	
4	
5	
6	
7	
8	Pink Caliche/Rock
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
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21	
22	
23	
24	
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30	
31	
32	TD
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40	

Appendix C
Photographic Log

Photographic Log

Photo Number: 1 **Photo Direction:** West **Photo Description:** View of the excavated area.	

Photo Number: 2 **Photo Direction:** East **Photo Description:** View of the excavated area.	

Photographic Log

Photo Number: 3 **Photo Direction:** West-Northwest **Photo Description:** View of the excavated area.	

Photo Number: 4 **Photo Direction:** West-Northwest **Photo Description:** View of the excavated area.	

Photographic Log

Photo Number: 5 **Photo Direction:** West **Photo Description:** View of the excavated area.	

Photo Number: 6 **Photo Direction:** West **Photo Description:** View of the excavated area.	

Photographic Log

Photo Number: 7 **Photo Direction:** South **Photo Description:** View of the excavated area.	

Photo Number: 8 **Photo Direction:** East-Northeast **Photo Description:** View of the remediated area after backfill and regrading.	

Photographic Log

Photo Number: 9	
Photo Direction: East-Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 10	
Photo Direction: Southwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log

Photo Number: 11	
Photo Direction: Southwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 12	
Photo Direction: West	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix D
Laboratory Analytical Reports

CARDINAL Laboratories

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

November 30, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC - 16-NM-R001-1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/29/21 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	11/29/2021	Sampling Date:	11/29/2021
Reported:	11/30/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: FL 1 @ 17' (H213404-01)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2021	ND	1.77	88.5	2.00	0.158	
Toluene*	<0.050	0.050	11/30/2021	ND	1.84	92.2	2.00	0.941	
Ethylbenzene*	<0.050	0.050	11/30/2021	ND	1.89	94.5	2.00	1.25	
Total Xylenes*	<0.150	0.150	11/30/2021	ND	5.77	96.1	6.00	1.51	
Total BTEX	<0.300	0.300	11/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/30/2021	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2021	ND	205	102	200	3.81	
DRO >C10-C28*	**20.9**	10.0	11/30/2021	ND	188	93.8	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	11/30/2021	ND					

Surrogate: 1-Chlorooctane *68.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *67.1 %* *38.9-142*

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:		P.O. #:	
Address:	2617 West Marland	Company	ETC
City:	Hobbs	Attn:	
State:	NM	Address:	
Zip:	88240	City:	
Phone #:	(575) 264-9884	State:	Zip:
Fax #:		Phone #:	
Project #:	146660	Fax #:	
Project Owner:	ETC		
Project Name:	16-NM-RDO1-1351 Pipeline		
Project Location:	Lea County, NM		
Sampler Name:	Eddie Gaytan Jr.		

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H213404																	
1	FL1@17'	C	1			✓					✓		11/29/21		X	X	X

KAP 11/29/21

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Relinquished By:	Date: 11/29/21 Time: 2:30pm	Received By:	
Relinquished By:	Date: 11-29-21 Time: 15:35	Received By:	Tamara Oldaker
Delivered By: (Circle One)	1.7° C-0.5°	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) TO
Sampler - UPS - Bus - Other:	1.2° #113		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: only Rush TPH

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

December 06, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC - 16-NM-R001-1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/30/21 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL # 1 @ 2'	H213420-01	Soil	30-Nov-21 00:00	30-Nov-21 16:55
FL # 2 @ 2'	H213420-02	Soil	30-Nov-21 00:00	30-Nov-21 16:55
FL # 3 @ 2'	H213420-03	Soil	30-Nov-21 00:00	30-Nov-21 16:55
FL # 4 @ 2'	H213420-04	Soil	30-Nov-21 00:00	30-Nov-21 16:55
SSW # 1	H213420-05	Soil	30-Nov-21 00:00	30-Nov-21 16:55
SSW # 2	H213420-06	Soil	30-Nov-21 00:00	30-Nov-21 16:55
SSW # 3	H213420-07	Soil	30-Nov-21 00:00	30-Nov-21 16:55
SSW # 4	H213420-08	Soil	30-Nov-21 00:00	30-Nov-21 16:55
ESW # 1	H213420-09	Soil	30-Nov-21 00:00	30-Nov-21 16:55
NSW # 1	H213420-10	Soil	30-Nov-21 00:00	30-Nov-21 16:55
NSW # 2	H213420-11	Soil	30-Nov-21 00:00	30-Nov-21 16:55
NSW # 3	H213420-12	Soil	30-Nov-21 00:00	30-Nov-21 16:55
NSW # 4	H213420-13	Soil	30-Nov-21 00:00	30-Nov-21 16:55

12/06/21 - Chloride and BTEX were added to all samples 12/02/21. This is the revised report and will replace the one sent on 12/02/21.

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

FL # 1 @ 2'

H213420-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	**0.152**		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	**0.540**		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	**2.40**		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	**3.09**		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*155 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**106**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
DRO >C10-C28*	**3080**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
EXT DRO >C28-C36	**661**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*132 %*	*44.3-133*		*1120105*	MS	*01-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*220 %*	*38.9-142*		*1120105*	MS	*01-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

FL # 2 @ 2'

H213420-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	**0.206**		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*118 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**25.3**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
DRO >C10-C28*	**1570**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
EXT DRO >C28-C36	**406**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*109 %*	*44.3-133*		*1120105*	MS	*01-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*148 %*	*38.9-142*		*1120105*	MS	*01-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

FL # 3 @ 2'

H213420-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.8 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
DRO >C10-C28*	**178**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
EXT DRO >C28-C36	**58.0**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*94.2 %*	*44.3-133*		*1120105*	MS	*01-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*112 %*	*38.9-142*		*1120105*	MS	*01-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

FL # 4 @ 2'

H213420-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.3 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*122 %*	*44.3-133*		*1120105*	MS	*01-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*140 %*	*38.9-142*		*1120105*	MS	*01-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

SSW # 1

H213420-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	**0.165**		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*114 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**30.7**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
DRO >C10-C28*	**1650**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
EXT DRO >C28-C36	**376**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*127 %*	*44.3-133*		*1120105*	MS	*01-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*179 %*	*38.9-142*		*1120105*	MS	*01-Dec-21*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

SSW # 2

H213420-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**17.5**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
DRO >C10-C28*	**1260**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
EXT DRO >C28-C36	**304**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*92.8 %*	*44.3-133*		*1120105*	MS	*01-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*128 %*	*38.9-142*		*1120105*	MS	*01-Dec-21*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

SSW # 3

H213420-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.7 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
DRO >C10-C28*	**31.2**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
EXT DRO >C28-C36	**18.1**		10.0	mg/kg	1	1120105	MS	01-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*112 %*	*44.3-133*		*1120105*	MS	*01-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*125 %*	*38.9-142*		*1120105*	MS	*01-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

SSW # 4

H213420-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.3 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
EXT DRO >C28-C36	**11.1**		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*94.5 %*	*44.3-133*		*1120105*	MS	*02-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*38.9-142*		*1120105*	MS	*02-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

ESW # 1

H213420-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.0 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
DRO >C10-C28*	**45.6**		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
EXT DRO >C28-C36	**13.0**		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*94.2 %*	*44.3-133*		*1120105*	MS	*02-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*38.9-142*		*1120105*	MS	*02-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

NSW # 1

H213420-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.0 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
DRO >C10-C28*	**243**		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
EXT DRO >C28-C36	**48.4**		10.0	mg/kg	1	1120105	MS	02-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*120 %*	*44.3-133*		*1120105*	MS	*02-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*141 %*	*38.9-142*		*1120105*	MS	*02-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

NSW # 2

H213420-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*97.8 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*87.4 %*	*44.3-133*		*1120105*	MS	*06-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.6 %*	*38.9-142*		*1120105*	MS	*06-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

NSW # 3

H213420-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.6 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
DRO >C10-C28*	**37.4**		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*91.7 %*	*44.3-133*		*1120105*	MS	*06-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.0 %*	*38.9-142*		*1120105*	MS	*06-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

NSW # 4

H213420-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	1120403	GM	04-Dec-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1120302	JH	03-Dec-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*69.9-140*		*1120302*	JH	*03-Dec-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**23.7**		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
DRO >C10-C28*	**1850**		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
EXT DRO >C28-C36	**412**		10.0	mg/kg	1	1120105	MS	06-Dec-21	8015B	
Surrogate: 1-Chlorooctane			*94.8 %*	*44.3-133*		*1120105*	MS	*06-Dec-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*97.9 %*	*38.9-142*		*1120105*	MS	*06-Dec-21*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120403 - 1:4 DI Water										
Blank (1120403-BLK1)				Prepared & Analyzed: 04-Dec-21						
Chloride	ND	16.0	mg/kg							
LCS (1120403-BS1)				Prepared & Analyzed: 04-Dec-21						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (1120403-BSD1)				Prepared & Analyzed: 04-Dec-21						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120302 - Volatiles										
Blank (1120302-BLK1)				Prepared & Analyzed: 03-Dec-21						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*98.0*	*69.9-140*			
LCS (1120302-BS1)				Prepared & Analyzed: 03-Dec-21						
Benzene	1.77	0.050	mg/kg	2.00		88.6	85.1-114			
Toluene	1.89	0.050	mg/kg	2.00		94.7	88.6-116			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.6	84.4-115			
m,p-Xylene	3.86	0.100	mg/kg	4.00		96.6	85.5-116			
o-Xylene	1.95	0.050	mg/kg	2.00		97.5	85.2-111			
Total Xylenes	5.81	0.150	mg/kg	6.00		96.9	86.2-113			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0514*		mg/kg	*0.0500*		*103*	*69.9-140*			
LCS Dup (1120302-BSD1)				Prepared & Analyzed: 03-Dec-21						
Benzene	1.98	0.050	mg/kg	2.00		98.9	85.1-114	10.9	12.6	
Toluene	2.05	0.050	mg/kg	2.00		103	88.6-116	8.03	13.3	
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	84.4-115	7.01	13.9	
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	85.5-116	7.95	13.6	
o-Xylene	2.11	0.050	mg/kg	2.00		105	85.2-111	7.82	14.1	
Total Xylenes	6.29	0.150	mg/kg	6.00		105	86.2-113	7.91	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0505*		mg/kg	*0.0500*		*101*	*69.9-140*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 06-Dec-21 15:06

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120105 - General Prep - Organics										
Blank (1120105-BLK1)				Prepared & Analyzed: 01-Dec-21						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*53.7*		mg/kg	*50.0*		*107*	*44.3-133*			
Surrogate: 1-Chlorooctadecane	*59.4*		mg/kg	*50.0*		*119*	*38.9-142*			
LCS (1120105-BS1)				Prepared & Analyzed: 01-Dec-21						
GRO C6-C10	220	10.0	mg/kg	200		110	83.4-129			
DRO >C10-C28	232	10.0	mg/kg	200		116	79.3-136			
Total TPH C6-C28	451	10.0	mg/kg	400		113	85.3-130			
Surrogate: 1-Chlorooctane	*49.4*		mg/kg	*50.0*		*98.8*	*44.3-133*			
Surrogate: 1-Chlorooctadecane	*52.3*		mg/kg	*50.0*		*105*	*38.9-142*			
LCS Dup (1120105-BSD1)				Prepared & Analyzed: 01-Dec-21						
GRO C6-C10	223	10.0	mg/kg	200		111	83.4-129	1.52	12.6	
DRO >C10-C28	240	10.0	mg/kg	200		120	79.3-136	3.37	12.1	
Total TPH C6-C28	463	10.0	mg/kg	400		116	85.3-130	2.47	11.6	
Surrogate: 1-Chlorooctane	*51.7*		mg/kg	*50.0*		*103*	*44.3-133*			
Surrogate: 1-Chlorooctadecane	*58.9*		mg/kg	*50.0*		*118*	*38.9-142*			

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Etc tx Pipeline
City:	Lovington	**State:** NM **Zip:** 88260	**Attn:**
Phone #:	(575) 396-2378	**Fax #:** (575) 396-1429	**Address:**
Project #:		**Project Owner:** Dean Ericson	**City:**
Project Name:	16-NM-Rcol-1351-Pipeline		**State:** **Zip:**
Project Location:			**Phone #:**
Sampler Name:	Aaron Rios		**Fax #:**

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H213420															add'l rush		add'l rush
1	FL #1@2'		1			X					X		11-30-21		✓	X	✓
2	FL #2@2'		1			X					X		11-30-21			X	
3	FL #3@2'		1			X					X		11-30-21			X	
4	FL #4@2'		1			X					X		11-30-21			X	
5	SSW #1		1			X					X		11-30-21			X	
6	SSW #2		1			X					X		11-30-21			X	
7	SSW #3		1			X					X		11-30-21			X	
8	SSW #4		1			X					X		11-30-21			X	
9	CSW #1		1			X					X		11-30-21			X	
10	NSW #1		1			X					X		11-30-21			X	

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Relinquished By: Aaron Rios	**Date:** 11-30-21 **Time:** 1655	**Received By:** Tamara Oldaker	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	6.5°C) C-0.5°C 5.9°C #113	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** Y.O.

REMARKS:

Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Etc tx Pipeline
City:	Lovington	**State:** NM **Zip:** 88260	**Attn:** Dean Ericson
Phone #:	(575) 396-2378	**Fax #:** (575) 396-1429	**Address:**
Project #:		**Project Owner:** Dean Ericson	**City:**
Project Name:	16-NM-Rool-1351-Pipeline		**State:** **Zip:**
Project Location:			**Phone #:**
Sampler Name:	Aaron Rios		**Fax #:**

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H213420															add'l rqt		add'l rqt
11	NSW#2		X			X					X		11-30-21		✓	X	✓
12	NSW#3		X			X					X		11-30-21		↓	X	↓
13	NSW#4		X			X					X		11-30-21		↓	X	↓

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Relinquished By:	Aaron Rios	**Date:** 11-30-21 **Time:** 1655	**Received By:** Tamara Oldaker
Relinquished By:		**Date:** **Time:**	**Received By:**

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

6.4c / C-0.5c / 5.9c #113

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

CHECKED BY: (Initials) TO

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

Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

December 08, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC - 16-NM-R001-1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 12/02/21 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: FL # 5 @ 4' (H213469-01)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *119 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *132 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: FL # 6 @ 4' (H213469-02)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**800**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**15.2**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *118 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *122 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: FL # 7 @ 2' (H213469-03)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**10.3**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *123 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *124 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: FL # 8 @ 2' (H213469-04)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**143**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	**23.8**	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *124 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *127 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: NSW # 5 (H213469-05)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	GC-NC
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**969**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	**240**	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *129 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *171 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: NSW # 6 (H213469-06)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**100**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	**26.2**	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *111 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *116 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: WSW # 1 (H213469-07)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *110 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *109 %* *38.9-142*

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: ESW # 2 (H213469-08)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**13.2**	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**1100**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	**244**	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *112 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *142 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RPESW # 1 (H213469-09)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *103 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *103 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RPNSW # 2 (H213469-10)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *106 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *105 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RP # 1 @ 10' (H213469-11)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.057**	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	**1.74**	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	**4.38**	0.050	12/06/2021	ND	2.01	100	2.00	2.61	GC-NC1
Total Xylenes*	**12.6**	0.150	12/06/2021	ND	6.06	101	6.00	3.10	GC-NC1
Total BTEX	**18.8**	0.300	12/06/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *248 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**419**	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**3960**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	**1030**	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *163 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *161 %* *38.9-142*

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RPNSW # 1 (H213469-12)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.769**	0.200	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	**10.1**	0.200	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	**16.8**	0.200	12/06/2021	ND	2.01	100	2.00	2.61	GC-NC1
Total Xylenes*	**63.2**	0.600	12/06/2021	ND	6.06	101	6.00	3.10	GC-NC1
Total BTEX	**90.9**	1.20	12/06/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *171 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1180**	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**8440**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	**1980**	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *232 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *210 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RPWSW # 1 (H213469-13)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.01	100	2.00	2.61	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.06	101	6.00	3.10	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	<10.0	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *115 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *115 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RPSSW # 1 (H213469-14)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.258**	0.200	12/06/2021	ND	2.14	107	2.00	2.53	
Toluene*	**6.21**	0.200	12/06/2021	ND	2.06	103	2.00	2.22	
Ethylbenzene*	**11.9**	0.200	12/06/2021	ND	2.01	100	2.00	2.61	GC-NC1
Total Xylenes*	**39.9**	0.600	12/06/2021	ND	6.06	101	6.00	3.10	GC-NC1
Total BTEX	**58.3**	1.20	12/06/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *161 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1220**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**797**	10.0	12/05/2021	ND	224	112	200	4.50	
DRO >C10-C28*	**7290**	10.0	12/05/2021	ND	218	109	200	5.51	
EXT DRO >C28-C36	**2190**	10.0	12/05/2021	ND					

Surrogate: 1-Chlorooctane *195 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *200 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RPSSW @ 4' (H213469-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.62	
Toluene*	<0.050	0.050	12/06/2021	ND	2.07	104	2.00	2.39	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.20	103	6.00	1.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	207	104	200	5.74	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	192	95.9	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *97.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *96.5 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: SSW # 5 (H213469-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.62	
Toluene*	<0.050	0.050	12/06/2021	ND	2.07	104	2.00	2.39	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.20	103	6.00	1.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	207	104	200	5.74	
DRO >C10-C28*	**132**	10.0	12/06/2021	ND	192	95.9	200	11.2	
EXT DRO >C28-C36	**20.5**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *107 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *111 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: SSW # 6 (H213469-17)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.62	
Toluene*	<0.050	0.050	12/06/2021	ND	2.07	104	2.00	2.39	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.20	103	6.00	1.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	207	104	200	5.74	
DRO >C10-C28*	**12.3**	10.0	12/06/2021	ND	192	95.9	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *105 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *106 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RPSSW # 2 (H213469-18)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.319**	0.200	12/06/2021	ND	2.06	103	2.00	2.62	
Toluene*	**8.51**	0.200	12/06/2021	ND	2.07	104	2.00	2.39	
Ethylbenzene*	**25.2**	0.200	12/06/2021	ND	2.04	102	2.00	1.55	GC-NC1
Total Xylenes*	**57.2**	0.600	12/06/2021	ND	6.20	103	6.00	1.39	GC-NC1
Total BTEX	**91.2**	1.20	12/06/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *275 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3600**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1150**	10.0	12/06/2021	ND	207	104	200	5.74	
DRO >C10-C28*	**8590**	10.0	12/06/2021	ND	192	95.9	200	11.2	
EXT DRO >C28-C36	**2240**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *227 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *213 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: NSW # 7 (H213469-20)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.06	103	2.00	2.62	
Toluene*	<0.050	0.050	12/06/2021	ND	2.07	104	2.00	2.39	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.20	103	6.00	1.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	207	104	200	5.74	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	192	95.9	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *101 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *101 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	EtC 16-NM-Pipeline
City:	Lovington	**State:** NM **Zip:** 88260	**Attn:** Dean Ericson
Phone #:	(575) 396-2378	**Fax #:** (575) 396-1429	**Address:**
Project #:		**Project Owner:**	**City:**
Project Name:	EtC 16-NM-RC01-1351		**State:** **Zip:**
Project Location:			**Phone #:**
Sampler Name:	Aaron Rios		**Fax #:**

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)												
H213469																												
1	FL#5 @4'		X			X					X		12-2-21		✓	X	✓											
2	FL#6 @4'		X			X					X		12-2-21			X												
3	FL#7@2'		X			X					X		12-2-21			X												
4	FL#8@2'		X			X					X		12-2-21			X												
5	NSW#5		X			X					X		12-2-21			X												
6	NSW#6		X			X					X		12-2-21			X												
7	WSW#1		X			X					X		12-2-21			X												
8	ESW#2		X			X					X		12-2-21			X												
9	RPESW#1		X			X					X		12-2-21			X												
10	RPNSW#2		X			X					X		12-2-21			X												

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Relinquished By:	**Date:** 12-2-21	**Received By:**	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
Aaron Rios	**Time:** 1655	Tamara Oldaker	**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		Please email results to pm@etechenv.com.

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.9°C / 5.4°C #113 C-0.5°C

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

CHECKED BY: (Initials) TO

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	EtC tx Pipeline
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Dean Ericson
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	**Project Owner:**	**City:**	
Project Name:	EtC 16-NM-Rcd-1351-Pipeline	**State:** **Zip:**	
Project Location:		**Phone #:**	
Sampler Name:	Aaron Rios	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)													
H213469																													
11	RP#1 @ 10'		X			X					X		12-2-21		✓	X	✓												
12	RPNSW#1		X			X					X		12-2-21			X													
13	RPWSW#1		X			X					X		12-2-21			X													
14	RPSSW#1		X			X					X		12-2-21			X													
15	RPSSW @ 4'		X			X					X		12-2-21			X													
16	SSW#5		X			X					X		12-2-21			X													
17	SSW#6		X			X					X		12-2-21			X													
18	RPSSW#2		X			X					X		12-2-21			X													
19	~~RPSSW@4'~~		X			X					X		12-2-21			X		Duplicate dont Run											
20	NSW#7		X			X					X		12-2-21			X		TP- 12/3/21 Per Joel.											

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Relinquished By:	**Date:** 12-2-21	**Received By:**	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Aaron Rios	**Time:** 1655	Tamara Oldaker	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		Please email results to pm@etechenv.com.

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.9°C C-0.5° 5.4°C #113

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

CHECKED BY: (Initials) T.O

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

December 08, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC - 16-NM-R001-1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 12/03/21 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: FL # 1 @ 3' (H213494-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/07/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *99.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *97.1 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: FL # 2 @ 3' (H213494-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/07/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *79.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *72.6 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: FL # 3 @ 3' (H213494-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	12/07/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *82.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *74.0 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: NSW B # 1 (H213494-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *83.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *76.4 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: NSW B # 2 (H213494-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	**102**	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *66.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *65.8 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: SSW B # 1 (H213494-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *78.4 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: SSW B # 2 (H213494-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *80.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *74.3 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: FL # 9 @ 2' (H213494-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**720**	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	**698**	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	**89.1**	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *94.5 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Jodi Henson
Project Location:	LEA CO NM		

Sample ID: SSW # 7 (H213494-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**24.7**	10.0	12/07/2021	ND	219	109	200	0.395	
DRO >C10-C28*	**1970**	10.0	12/07/2021	ND	211	106	200	4.54	
EXT DRO >C28-C36	**348**	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane *96.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *116 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Etc tx Pipeline
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Dean Ericson
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	**Project Owner:**	**City:**	
Project Name:	16-NM-Rod-1351-Pipeline	**State:** **Zip:**	
Project Location:		**Phone #:**	
Sampler Name:	Aaron Rios	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H213494																	
1	FL#1@3'		X			X					X		12-3-21		X	X	X
2	FL#2@3'		X			X					X		12-3-21		X	X	X
3	FL#3@3'		X			X					X		12-3-21		X	X	X
4	NSwb#1		X			X					X		12-3-21		X	X	X
5	NSwb#2		X			X					X		12-3-21		X	X	X
6	SSwb#1		X			X					X		12-3-21		X	X	X
7	SSwb#2		X			X					X		12-3-21		X	X	X
8	FL#9@2'		X			X					X		12-3-21		X	X	X
9	SSW#7		X			X					X		12-3-21		X	X	X

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Relinquished By: Aaron Rios	**Date:** 12/3/21 **Time:** 15:55	**Received By:** Jodi Henson	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:- .5	#113	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**

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

Please email results to pm@etechenv.com.

5.4
4.9°C

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

December 10, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC - 16-NM-R001-1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 12/09/21 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: SSW #7 B (H213562-01)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*82.0 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*76.8 %*	*38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RP SSW #1 B (H213562-02)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane *78.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *75.3 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: NSW #2 C (H213562-03)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*88.5 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*82.9 %*	*38.9-142*

Sample ID: SSW #5 B (H213562-04)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*90.9 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*85.5 %*	*38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: FL #8 @ 4' (H213562-05)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*89.3 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*82.4 %*	*38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RP SSW # 2 B (H213562-06)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	**20.5**	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane *80.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *76.8 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: ESW #2 B (H213562-07)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*93.3 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*86.8 %*	*38.9-142*

Sample ID: NSW #6 B (H213562-08)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*89.8 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*84.0 %*	*38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: NSW #5 B (H213562-09)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*86.4 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*81.4 %*	*38.9-142*

Sample ID: FL #9 @ 4' (H213562-10)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	12/10/2021	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*77.6 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*78.3 %*	*38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	12/09/2021	Sampling Date:	12/09/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: NSW #4 B (H213562-11)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	12/10/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*87.0 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*81.1 %*	*38.9-142*

Sample ID: RP FL #2 @ 21' (H213562-12)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	12/10/2021	ND	400	100	400	3.92	

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1370**	50.0	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	**6010**	50.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	**1300**	50.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane	*180 %*	*44.3-133*
Surrogate: 1-Chlorooctadecane	*115 %*	*38.9-142*

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Etc pipeline
City:	~~Lovington~~ Hobbs **State:** NM **Zip:** 88260	**Attn:**	Dean Ericson
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	**Project Owner:**	**City:**	
Project Name:	16-NM-Reel-Pipeline	**State:** **Zip:**	
Project Location:		**Phone #:**	
Sampler Name:	Aaron Rios	**Fax #:**	

ANALYSIS REQUEST

R LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	Rush
H213562																		
1	SSW#7b		X			X					X		12-9-21		X	X		X
2	RP SSW#1b		X			X					X		12-9-21		X	X	X	
3	NSW#2C		X			X					X		12-9-21		X	X		
4	SSW#5b		X			X					X		12-9-21		X	X		
5	FL#8@4'		X			X					X		12-9-21		X	X		
6	RPSSW#2.b		X			X					X		12-9-21		X	X	X	
7	ESW#2b		X			X					X		12-9-21		X	X		
8	NSW#6b		X			X					X		12-9-21		X	X		
9	NSW#5b		X			X					X		12-9-21		X	X		
10	FL#9@4'		X			X					X		12-9-21		X	X		

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Relinquished By:	**Date:** 12-9-21 **Time:** 1520	**Received By:**	Tamara Oldaker
Aaron Rios			
Relinquished By:	**Date:** **Time:**	**Received By:**	

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

Please email results to pm@etechenv.com.

Rush

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 3.2° C-0.5° 3.7° #113

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

CHECKED BY: (Initials) TE

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	P.O. #:	
Address:	P.O. Box 301	Company:	EtC Pipeline
City:	~~Levington~~ Hobbs	Attn:	Dean Ericson
State:	NM	Address:	
Zip:	88260	City:	
Phone #:	(575) 396-2378	State:	Zip:
Fax #:	(575) 396-1429	Phone #:	
Project #:		Fax #:	
Project Owner:			
Project Name:	16-NM-Road-Pipeline		
Project Location:			
Sampler Name:	Aaron Rios		

ANALYSIS REQUEST

R LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	Rush									
H21357-02																											
11	NSW#46		1			X					X		12-9-21		X	X		†									
12	RPFL#2 Co 21'		1			X					X		12-9-21		X	X		†									

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Relinquished By:	Date: 12-9-21	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Aaron Rios	Time: 1520	Tamara Oldaker	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		Please email results to pm@etechenv.com.
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.2° C-0.5° 2.7° #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) YO

Rush

FORM-006
Revision 1.0

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Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

November 08, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC - 16-NM-R001-1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/03/22 12:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 08-Nov-22 08:44

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RPFL #2 SOUTH	H225196-01	Soil	03-Nov-22 00:00	03-Nov-22 12:42
RPFL #2 NORTH	H225196-02	Soil	03-Nov-22 00:00	03-Nov-22 12:42

11/08/22 - Client added BTEX and Chloride on 11/07/22 (See COC). This is the revised report and replaces the one sent on 11/04/22.

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 08-Nov-22 08:44

RPFL #2 SOUTH

H225196-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**176**		16.0	mg/kg	4	2110724	GM	07-Nov-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2110602*	JH/	*07-Nov-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110326	MS	04-Nov-22	8015B	
DRO >C10-C28*	**195**		10.0	mg/kg	1	2110326	MS	04-Nov-22	8015B	
EXT DRO >C28-C36	**50.9**		10.0	mg/kg	1	2110326	MS	04-Nov-22	8015B	
Surrogate: 1-Chlorooctane			*89.4 %*	*45.3-161*		*2110326*	MS	*04-Nov-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*103 %*	*46.3-178*		*2110326*	MS	*04-Nov-22*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 08-Nov-22 08:44

RPFL #2 NORTH

H225196-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**848**		16.0	mg/kg	4	2110722	GM	07-Nov-22	4500-Cl-B	QM-07
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110602	JH/	07-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.9-140*		*2110602*	JH/	*07-Nov-22*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110326	MS	04-Nov-22	8015B	
DRO >C10-C28*	**151**		10.0	mg/kg	1	2110326	MS	04-Nov-22	8015B	
EXT DRO >C28-C36	**39.5**		10.0	mg/kg	1	2110326	MS	04-Nov-22	8015B	
Surrogate: 1-Chlorooctane			*76.9 %*	*45.3-161*		*2110326*	MS	*04-Nov-22*	*8015B*	
Surrogate: 1-Chlorooctadecane			*88.7 %*	*46.3-178*		*2110326*	MS	*04-Nov-22*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 08-Nov-22 08:44

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110722 - 1:4 DI Water										
Blank (2110722-BLK1)				Prepared & Analyzed: 07-Nov-22						
Chloride	ND	16.0	mg/kg							
LCS (2110722-BS1)				Prepared & Analyzed: 07-Nov-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2110722-BSD1)				Prepared & Analyzed: 07-Nov-22						
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	
Batch 2110724 - 1:4 DI Water										
Blank (2110724-BLK1)				Prepared & Analyzed: 07-Nov-22						
Chloride	ND	16.0	mg/kg							
LCS (2110724-BS1)				Prepared & Analyzed: 07-Nov-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2110724-BSD1)				Prepared & Analyzed: 07-Nov-22						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 08-Nov-22 08:44

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110602 - Volatiles										
Blank (2110602-BLK1)				Prepared: 06-Nov-22 Analyzed: 07-Nov-22						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*98.8*	*69.9-140*			
LCS (2110602-BS1)				Prepared: 06-Nov-22 Analyzed: 07-Nov-22						
Benzene	2.05	0.050	mg/kg	2.00		102	83.4-122			
Toluene	2.10	0.050	mg/kg	2.00		105	84.2-126			
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	84.2-121			
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	89.9-126			
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.3-123			
Total Xylenes	6.37	0.150	mg/kg	6.00		106	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0495*		mg/kg	*0.0500*		*99.0*	*69.9-140*			
LCS Dup (2110602-BSD1)				Prepared: 06-Nov-22 Analyzed: 07-Nov-22						
Benzene	2.02	0.050	mg/kg	2.00		101	83.4-122	1.61	12.6	
Toluene	2.06	0.050	mg/kg	2.00		103	84.2-126	1.78	13.3	
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	84.2-121	3.11	13.9	
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	89.9-126	3.54	13.6	
o-Xylene	2.01	0.050	mg/kg	2.00		101	84.3-123	3.39	14.1	
Total Xylenes	6.15	0.150	mg/kg	6.00		103	89.1-124	3.49	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0491*		mg/kg	*0.0500*		*98.2*	*69.9-140*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: ETC - 16-NM-R001-1351 PIPELINE Project Number: 14660 Project Manager: JOEL LOWRY Fax To:	Reported: 08-Nov-22 08:44

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110326 - General Prep - Organics										
Blank (2110326-BLK1)				Prepared & Analyzed: 03-Nov-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*48.9*		mg/kg	*50.0*		*97.8*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*50.1*		mg/kg	*50.0*		*100*	*46.3-178*			
LCS (2110326-BS1)				Prepared & Analyzed: 03-Nov-22						
GRO C6-C10	183	10.0	mg/kg	200		91.4	76.8-124			
DRO >C10-C28	182	10.0	mg/kg	200		91.2	74.9-127			
Total TPH C6-C28	365	10.0	mg/kg	400		91.3	77.5-124			
Surrogate: 1-Chlorooctane	*52.6*		mg/kg	*50.0*		*105*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*56.5*		mg/kg	*50.0*		*113*	*46.3-178*			
LCS Dup (2110326-BSD1)				Prepared & Analyzed: 03-Nov-22						
GRO C6-C10	187	10.0	mg/kg	200		93.5	76.8-124	2.24	17.2	
DRO >C10-C28	184	10.0	mg/kg	200		91.8	74.9-127	0.702	18.6	
Total TPH C6-C28	371	10.0	mg/kg	400		92.6	77.5-124	1.48	17.6	
Surrogate: 1-Chlorooctane	*52.8*		mg/kg	*50.0*		*106*	*45.3-161*			
Surrogate: 1-Chlorooctadecane	*55.2*		mg/kg	*50.0*		*110*	*46.3-178*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	2617 West Marland	**Company**	ETC
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Dean Ericsson
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	14660 **Project Owner:** ETC	**City:**	
Project Name:	16-NM-R001-1351 Pipeline	**State:** **Zip:**	
Project Location:	Rural Lea County, NM	**Phone #:**	
Sampler Name:	Joel Lowry	**Fax #:**	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H225196-1	RPFL #2 South	C	1			X					X		11/3/22		✓	X	✓
-2	RPFL #2 North	C	1			X					X		11/3/22		✓	X	✓

40 11/4/22

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 11-3-22	**Received By:**	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1242		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	**Date:**	**Received By:**	REMARKS:
	Time:		

RUSH SAMPLES

Please email copy of COC and results to pm@etechenv.com.

Delivered By: (Circle One) #113

Sampler - UPS - Bus - Other: -3.7°c / -4.3°c

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

CHECKED BY: (Initials) JO

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

November 08, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ETC - 16-NM-R001-1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/07/22 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RP SSW @ 21-30 (H225245-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**2.22**	0.500	11/07/2022	ND	1.87	93.7	2.00	8.09	
Toluene*	**28.6**	0.500	11/07/2022	ND	1.91	95.3	2.00	7.42	
Ethylbenzene*	**22.3**	0.500	11/07/2022	ND	1.88	93.8	2.00	7.49	
Total Xylenes*	**58.9**	1.50	11/07/2022	ND	5.74	95.6	6.00	7.45	
Total BTEX	**112**	3.00	11/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *140 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1870**	16.0	11/08/2022	ND	416	104	400	3.77	

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1720**	50.0	11/08/2022	ND	188	94.2	200	9.84	
DRO >C10-C28*	**6830**	50.0	11/08/2022	ND	188	94.0	200	7.55	
EXT DRO >C28-C36	**982**	50.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane *259 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *167 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	ETC - 16-NM-R001-1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: RP NSW @ 21-30 (H225245-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**1.83**	0.500	11/07/2022	ND	1.87	93.7	2.00	8.09	
Toluene*	**24.1**	0.500	11/07/2022	ND	1.91	95.3	2.00	7.42	
Ethylbenzene*	**19.7**	0.500	11/07/2022	ND	1.88	93.8	2.00	7.49	
Total Xylenes*	**55.1**	1.50	11/07/2022	ND	5.74	95.6	6.00	7.45	
Total BTEX	**101**	3.00	11/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *139 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	11/08/2022	ND	416	104	400	3.77	

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1980**	50.0	11/08/2022	ND	188	94.2	200	9.84	
DRO >C10-C28*	**6800**	50.0	11/08/2022	ND	188	94.0	200	7.55	
EXT DRO >C28-C36	**928**	50.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane *280 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *183 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 137 of 152

Page 5 of 5

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	2617 West Marland	**Company**	ETC
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Dean Ericsson
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	14660 **Project Owner:** ETC	**City:**	
Project Name:	16-NM-R001-1351 Pipeline	**State:**	**Zip:**
Project Location:	Rural Lea County, NM	**Phone #:**	
Sampler Name:	Eddie Gaytan	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)									
H225245																										
1	RP SSW @ 21-30	C	1			X					X		11/7/22		X	X	X									
2	RP NSW @ 21-30	C	1			X					X		11/7/22		X	X	X									

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Relinquished By:	**Date:** 11-7-22	**Received By:**	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1450		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	**Date:**	**Received By:**	REMARKS:
	Time:		**RUSH SAMPLES**
Delivered By: (Circle One)	#113	**Sample Condition** Cool Intact	**CHECKED BY:** (Initials)
Sampler - UPS - Bus - Other:	-3.8°c/-4.4°c	☑ Yes ☑ Yes ☐ No ☐ No	JD

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

November 10, 2022

JOEL LOWRY

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 16 - NM - R001 - 1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/09/22 15:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	ETC	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP FL #3 (H225304-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	0.742	
Toluene*	<0.050	0.050	11/10/2022	ND	2.06	103	2.00	1.99	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.01	101	2.00	2.17	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.17	103	6.00	0.776	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	11/10/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2022	ND	203	101	200	3.85	
DRO >C10-C28*	<10.0	10.0	11/09/2022	ND	198	99.1	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane *82.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *94.8 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	ETC	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP FL #4 (H225304-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	0.742	
Toluene*	<0.050	0.050	11/10/2022	ND	2.06	103	2.00	1.99	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.01	101	2.00	2.17	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.17	103	6.00	0.776	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.3 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	11/10/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2022	ND	203	101	200	3.85	
DRO >C10-C28*	<10.0	10.0	11/09/2022	ND	198	99.1	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane *79.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *90.8 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	ETC	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP WSW #2 (H225304-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	0.742	
Toluene*	<0.050	0.050	11/10/2022	ND	2.06	103	2.00	1.99	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.01	101	2.00	2.17	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.17	103	6.00	0.776	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/10/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	203	101	200	3.85	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	198	99.1	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					

Surrogate: 1-Chlorooctane *92.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *105 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	ETC	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP ESW #2 (H225304-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	0.742	
Toluene*	<0.050	0.050	11/10/2022	ND	2.06	103	2.00	1.99	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.01	101	2.00	2.17	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.17	103	6.00	0.776	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	11/10/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	203	101	200	3.85	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	198	99.1	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					

Surrogate: 1-Chlorooctane *84.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *95.1 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	ETC	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP SWW #2 (H225304-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	0.742	
Toluene*	<0.050	0.050	11/10/2022	ND	2.06	103	2.00	1.99	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.01	101	2.00	2.17	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.17	103	6.00	0.776	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	11/10/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	203	101	200	3.85	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	198	99.1	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					

Surrogate: 1-Chlorooctane *87.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *98.1 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	ETC	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP SWE #2 (H225304-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	0.742	
Toluene*	<0.050	0.050	11/10/2022	ND	2.06	103	2.00	1.99	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.01	101	2.00	2.17	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.17	103	6.00	0.776	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	11/10/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	203	101	200	3.85	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	198	99.1	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					

Surrogate: 1-Chlorooctane *87.2 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *97.3 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	ETC Texas Pipeline, Ltd.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	3100 Plains Hwy	**Company:**	ETC
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Joel Lowry
Phone #:	575-396-2378 **Fax #:** 575-396-1429	**Address:**	P.O. Box 301
Project #:	14660 **Project Owner:** ETC Texas Pipeline, Ltd.	**City:**	Lovington
Project Name:	16-NM-R001-1351 Pipeline	**State:** NM **Zip:**	88260
Project Location:	UL/ I Sec 31 T23SS - R37EE	**Phone #:**	575-396-2378
Sampler Name:		**Fax #:**	575-396-1429

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021									
H225304																									
1	RP FL #3	C				x					x		11/9/22	10:00	x	x	x								
2	RP FL #4	C				x					x		11/9/22	9:00	x	x	x								
3	RP WSW #2	C				x					x		11/9/22	9:21	x	x	x								
4	RP ESW #2	C				x					x		11/9/22	10:30	x	x	x								
5	RP SWW #2	C				x					x		11/9/22	9:45	x	x	x								
6	RP SWE #2	C				x					x		11/9/22	10:15	x	x	x								

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Relinquished By: Eddie Gaytan	**Date:** 11-9-22 **Time:** 1528	**Received By:** Tamara Oldaker	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#113 1.3°c / 0.7°c	**Sample Condition** Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	**CHECKED BY: (Initials)**

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

Rush!
24 HR.

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

FORM-006 R 2.0

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

CARDINAL Laboratories

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

November 29, 2022

JOEL LOWRY

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 16 - NM - R001 - 1351 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/23/22 12:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP NSW #1 B (H225551-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.94	97.1	2.00	0.849	
Toluene*	<0.050	0.050	11/28/2022	ND	2.08	104	2.00	0.361	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	2.05	103	2.00	0.817	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	6.20	103	6.00	0.650	
Total BTEX	<0.300	0.300	11/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *87.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/28/2022	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2022	ND	212	106	200	0.877	
DRO >C10-C28*	<10.0	10.0	11/28/2022	ND	197	98.5	200	0.243	
EXT DRO >C28-C36	<10.0	10.0	11/28/2022	ND					

Surrogate: 1-Chlorooctane *90.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *97.3 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENERGY TRANSFER
JOEL LOWRY
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	16 - NM - R001 - 1351 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14660	Sample Received By:	Tamara Oldaker
Project Location:	UL / I SEC 31 T23SS - R37EE		

Sample ID: RP FL #5 (H225551-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.94	97.1	2.00	0.849	
Toluene*	<0.050	0.050	11/28/2022	ND	2.08	104	2.00	0.361	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	2.05	103	2.00	0.817	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	6.20	103	6.00	0.650	
Total BTEX	<0.300	0.300	11/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *85.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/28/2022	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2022	ND	212	106	200	0.877	
DRO >C10-C28*	<10.0	10.0	11/28/2022	ND	197	98.5	200	0.243	
EXT DRO >C28-C36	<10.0	10.0	11/28/2022	ND					

Surrogate: 1-Chlorooctane *94.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *101 %* *46.3-178*

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	ETC Texas Pipeline, Ltd.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	3100 Plains Hwy	**Company:**	ETC Texas Pipeline, Ltd.
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Dean Ericson
Phone #:	575-396-2378 **Fax #:** 575-396-1429	**Address:**	
Project #:	14660 **Project Owner:** ETC Texas Pipeline, Ltd.	**City:**	
Project Name:	16-NM-R001-1351 Pipeline	**State:**	**Zip:**
Project Location:	UL/ I Sec 31 T23SS - R37EE	**Phone #:**	
Sampler Name:	Joel Lowry	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021								
H225551																									
1	RP NSW #1 b	G	1			X					X		11/22/22	8:00 AM	X	X	X								
2	RP FL #5	G	1			X					X		11/22/22	8:05 am	X	X	X								

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Relinquished By:	**Date:** 11/23/22 **Time:** 12:04 pm	**Received By:**	: ☐ Yes ☐ No	**Add'l Phone #:**
			Fax Result: ☐ Yes ☐ No	**Add'l Fax #:**
Relinquished By:	**Date:** 11/23/22 **Time:**	**Received By:**	**REMARKS:** Email results to	joel@etechenv.com pm@etechenv.com
Delivered By: (Circle One) #113 **Sampler - UPS - Bus - Other:** -1.0°c / -1.6°c		**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	

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

FORM-006 R 2.0

Received by OCD: 12/15/2022 9:23:23 AM

Released to Imaging: 1/12/2023 10:22:43 AM

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

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

CONDITIONS

Action 167327

CONDITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 167327
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/12/2023