

Incident ID	nRM2030731626
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?	<u>70 - 75</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nRM2030731626
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Carolyn BlackallerTitle: Sr. Environmental SpecialistSignature: Date: 6/3/21email: Carolyn.Blackaller@energytransfer.comTelephone: (432)203-8290**OCD Only**

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nRM2030731626
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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: Carolyn Blackaller Title: Sr. Environmental Specialist
 Signature:  Date: 6/3/21
 email: Carolyn.Blackaller@energytransfer.com Telephone: (432)203-8290

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary & Soil Closure Request

ETC Texas Pipeline, Ltd.

2B Pipeline Release

Lea County, New Mexico

Unit Letter "L", Section 32, Township 24 South, Range 37 East

Latitude 32.17162 North, Longitude 103.19037 West

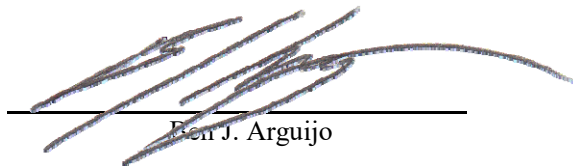
NMOCD Reference No. nRM2030731626

Prepared By:

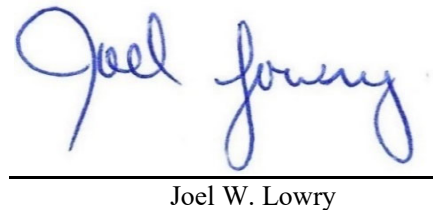
Etech Environmental & Safety Solutions, Inc.

3100 Plains Highway

Lovington, New Mexico 88260



Ben J. Arguijo



Joel W. Lowry



Midland • San Antonio • Lubbock • Lovington • Lafayette

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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 2B Pipeline Release (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.17162 Longitude: -103.19037

Provided GPS are in WGS84 format.

Site Name:	2B Pipeline Release	Site Type:	Pipeline
Date Release Discovered:	10/13/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"L"	32	24S	37E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name _____)

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe) Crude Oil & Produced Water	Volume/Weight Released 8	Volume/Weight Recovered Unknown - 3rd party recovered liquids (thought it was their line)

Cause of Release:

The release was attributed to corrosion of the pipeline segment.

Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ 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?	70' - 75'	
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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*‡
70' - 75'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	10,000	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	-
	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 October 15, 2020, Etech conducted an initial site assessment. During the initial site assessment, a series of 35 hand-augered soil bores were advanced within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing a photoionization detector (PID) and/or olfactory/visual senses.

Based on field observations and field test data, a total of 38 delineation soil samples (1 1', 2 1', 3 1', 3 2', 4 1', 4 2', 5 1', 5 2', and 6 1' through 35 1') were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, additional delineation of the affected area was required.

On October 21, 2020, Etech revisited the Site. A series of hand-augered soil bores (V1 through V4) were advanced within the release margins to further investigate the vertical extent of impacted soil. Hand-augered soil bores (NH, EH, SH, and WH) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. In addition, soil samples were collected from the sidewalls and floor of the excavated area at the point of release. The collected soil samples were field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit (henceforth, "chloride test kit").

Based on field observations and field test data, a total of 18 soil samples (NH @ Surf, NH @ 1', EH @ Surf, EH @ 1', SH @ Surf, SH @ 1', WH @ Surf, WH @ 1', V 1 @ 2', V 2 @ 1.5', V 3 @ 1.5', V 4 @ Surf, V 4 @ 4.5', RP - ESW, RP - WSW, RP - FL @ 4', RP - EF @ 5', and RP - WFL @ 4') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal extent of soil impacted above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standard was adequately defined. However, additional vertical delineation of the release was required.

On October 30, 2020, Etech advanced a series of test trenches to further investigate the vertical extent of impacted soil at the release point (T.T. RP) and in the areas characterized by sample locations V 1 and V 2 (T.T. V1 and T.T. V2, respectively). During the advancement of the test trenches, soil samples were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit.

Based on field observations and field test data, three (3) delineation soil samples (T.T. RP @ 8', T.T. V1 @ 4', and T.T. V2 @ 4') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standard beyond four (4) feet below ground surface (bgs) in the area characterized by test trench T.T. V1. However, additional delineation was required at the release point and in the area characterized by test trench T.T. V2.

5.0 REMEDIATION ACTIVITIES SUMMARY

On April 12, 2021, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard. Based on laboratory analytical results and field screens, the excavation was subdivided into two (2) sections: Upper Excavation and Lower Excavation, which was at/near the point of release.

On April 15, 2021, Etech collected 24 confirmation soil samples (FL 1 @ 2' through FL 24 @ 4') from the floor of the Upper Excavation and six (6) confirmation soil samples (LNEW, LNEW, LSW, LSEW, LSWW, and LFL @ 13') from the floor and sidewalls of the Lower Excavation. The soil samples were submitted to a certified commercial 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 Standard in soil samples FL 1 @ 2' through FL 11 @ 2', and FL 15 @ 2' through FL 24 @ 4'. Additional excavation was required in the areas characterized by soil samples FL 12B @ 3', FL 13 @ 2', FL 14 @ 2', LNEW, LNWW, LSW, LSEW, LSWW, and LFL @ 13'.

On April 16, 2021, Etech collected fourteen (14) confirmation soil samples (NW1 through NW5, EW1, EW2, SW1 through SW4, and WW1 through WW3) from the sidewalls of the Upper Excavation. 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 and/or NMOCD Reclamation Standard in soil samples NW2 through NW5, EW1, EW2, SW1, SW3, SW4, WW1, and WW3. Additional excavation was required in the areas characterized by soil samples NW1, SW2, and WW2.

On April 19, 2021, Etech collected one (1) confirmation soil samples (LFL Center @ 11') from the floor of the Lower Excavation. The soil sample 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 Standard.

On April 20, 2021, Etech collected eight (8) confirmation soil samples (NW6, NW7, and FL 25 @ 2.5' through FL 30 @ 4') from the sidewalls and floor of the Upper Excavation and seven (7) confirmation soil samples (LNW1, LEW1, LSW2, LWW1, LFL @ 13' - 2, LFL @ 13' - 3, and LFL @ 13' - 4) from the floor and sidewalls of the Lower Excavation. 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 and/or NMOCD Reclamation Standard in soil samples NW7, FL 25 @ 2.5' through FL 30 @ 4', LNW1, LEW1, LSW2, LWW1, and LFL @ 13' - 2. Additional excavation was required in the areas characterized by soil samples NW6, LFL @ 13' - 3, and LFL @ 13' - 4.

On April 21, 2021, Etech collected three (3) confirmation soil samples (FL 12C @ 4', FL 13B @ 3', and FL 14B @ 3') from the floor of the Upper Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 23, 2021, Etech collected three (3) confirmation soil samples (NW1B, SW2B, and WW2B) from the floor of the Upper Excavation. The soil samples were submitted to the laboratory for analysis of TPH and/or chloride. Laboratory analytical results indicated TPH and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 26, 2021, Etech collected three (3) confirmation soil samples (NW6B, SW5D, and FL 31 @ 4') from the sidewalls and floor of the Upper Excavation and two (2) confirmation soil samples (LFL 13.5' - 3 and LFL 13.5' - 4) from the floor of the Lower Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the Upper Excavation were approximately 38 to 365 feet in length, nine (9) to 38 feet in width, and two (2) to four (4) feet in depth. The final dimensions of the Lower Excavation were approximately 35 feet in length, 26 feet in width, and 13 to 13.5 feet in depth. During the course of remediation activities, approximately 1,900 cubic yards of impacted soil was transported to an NMOCD-permitted surface waste facility for disposal.

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 soil profile logs 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/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency- and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the Site.

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 Standard was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Based on laboratory analytical results and field activities conducted to date, Etech recommends 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 reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of 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

Hobbs Field Office

New Mexico State Land Office

2827 North Dal Paso Street

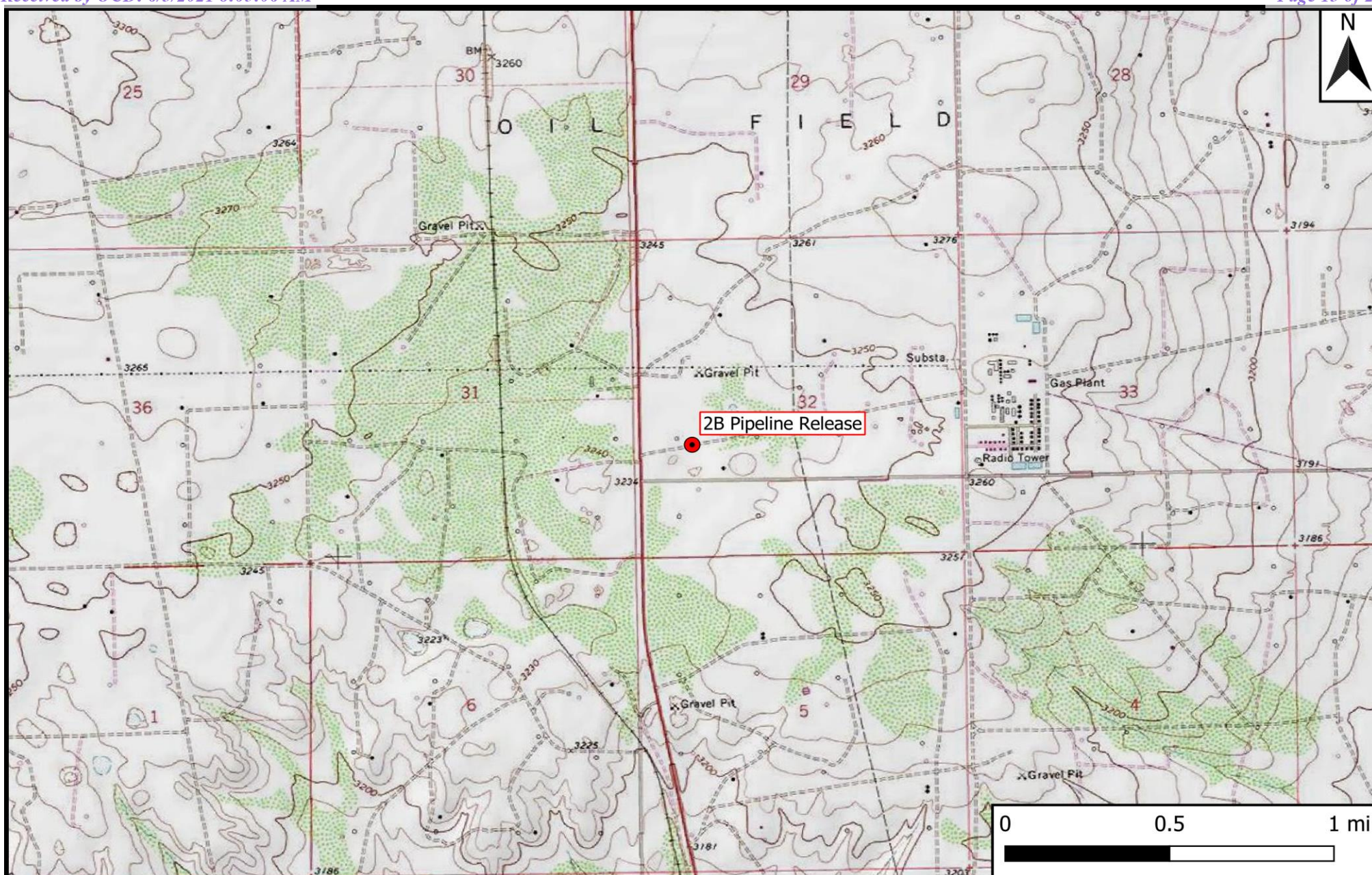
Suite 117

Hobbs, NM 88240

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
ETC Texas Pipeline, Ltd.
2B Pipeline Release
GPS: 32.17162, -103.19037
Lea County

ETECH
Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 5/3/21

Figure 2

Aerial Proximity Map



Legend	 1,000-Ft Radius
● Site Location	 0.5-Mi Radius 0
○ Well - Investigative/Monitor	 1% Annual Flood Chance
○ Well - NMOSE	 Emergent/Forested Wetlands
○ Well - USGS	 Freshwater Pond/Lake
— Potash Mine Workings	 Medium/High Karst
	 Riverine

Figure 2
Aerial Proximity Map
ETC Texas Pipeline, Ltd.
2B Pipeline Release
GPS: 32.17162, -103.19037
Lea County



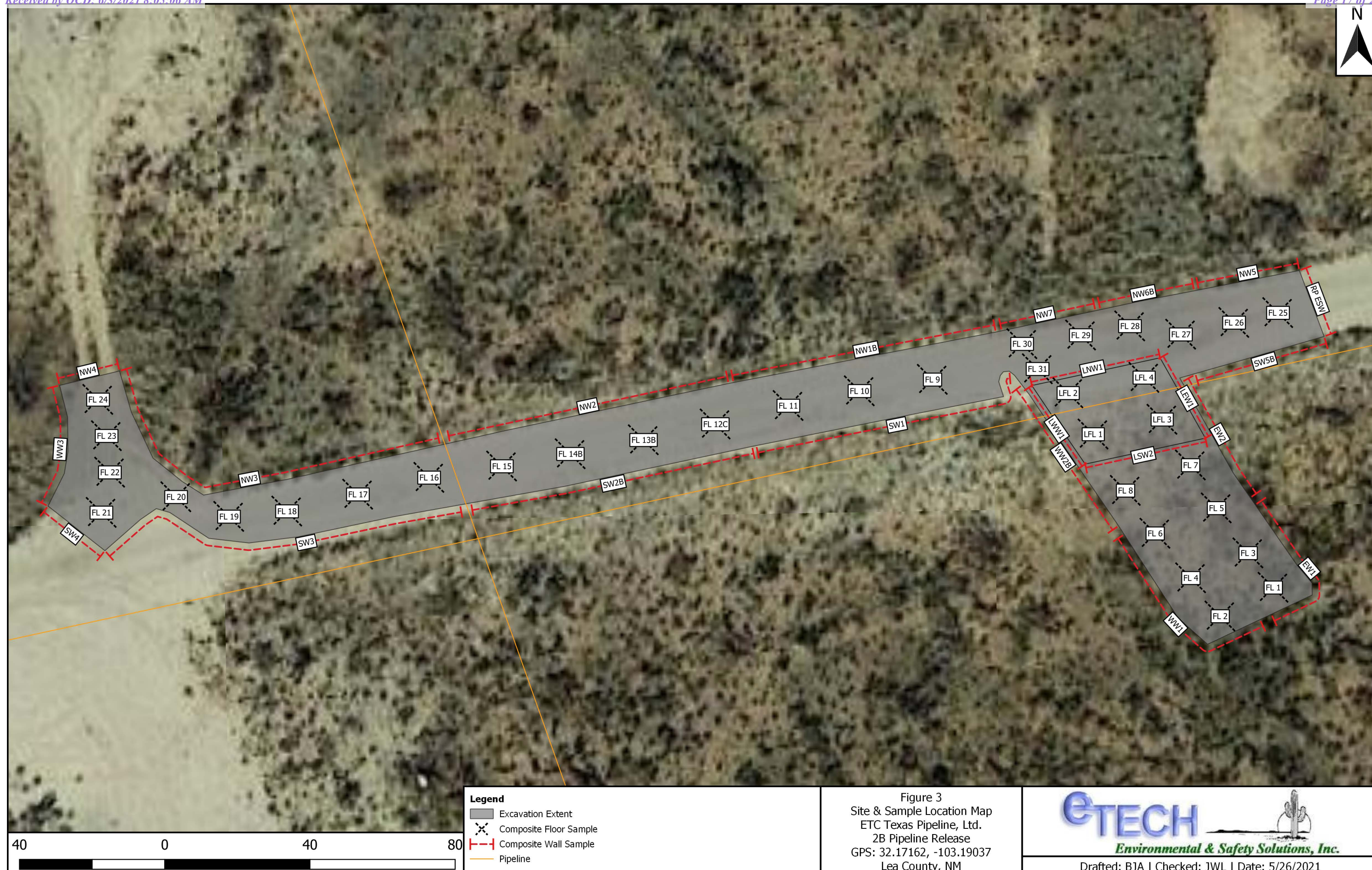
Drafted: bja

Checked: jwl

Date: 5/3/21

Figure 3

Site & Sample Location Map



Legend

- Excavation Extent
- Composite Floor Sample
- Composite Wall Sample
- Pipeline

Figure 3
Site & Sample Location Map
ETC Texas Pipeline, Ltd.
2B Pipeline Release
GPS: 32.17162, -103.19037
Lea County, NM



Environmental & Safety Solutions, Inc.

Drafted: BJA | Checked: JWL | Date: 5/26/2021

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
ETC Texas Pipeline, Ltd.
2B Pipeline Release
NMOCD Ref. #: nRM2030731626

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Samples											
1 1'	10/15/2020	1'	Excavated	0.110	2.26	15.0	12.2	27.1	<10.0	27.2	16.0
2 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
3 1'	10/15/2020	1'	Excavated	<0.050	0.688	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
3 2'	10/15/2020	2'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
4 1'	10/15/2020	1'	Excavated	<0.050	0.951	13.8	<10.0	13.8	<10.0	13.8	<16.0
4 2'	10/15/2020	2'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
5 1'	10/15/2020	1'	Excavated	<0.050	0.627	13.3	17.9	31.2	<10.0	31.2	<16.0
5 2'	10/15/2020	2'	Excavated	0.113	0.766	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
6 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
7 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
8 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
9 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
10 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
11 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
12 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
13 1'	10/15/2020	1'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
14 1'	10/15/2020	1'	Excavated	281	2,310	23,100	2,500	25,600	557	26,200	<16.0
15 1'	10/15/2020	1'	Excavated	224	2,050	24,600	2,930	27,500	769	28,300	<16.0
16 1'	10/15/2020	1'	Excavated	3.16	122	907	544	1,450	174	1,630	<16.0
17 1'	10/15/2020	1'	Excavated	85.0	902	6,160	1,170	7,330	309	7,640	<16.0
18 1'	10/15/2020	1'	Excavated	13.3	353	2,200	929	3,130	270	3,400	32.0
19 1'	10/15/2020	1'	Excavated	13.0	214	975	330	1,310	111	1,420	48.0
20 1'	10/15/2020	1'	Excavated	0.194	5.64	41.1	108	149	<10.0	149	32.0
21 1'	10/15/2020	1'	Excavated	17.5	436	3,850	2,070	5,920	859	6,780	32.0
22 1'	10/15/2020	1'	Excavated	31.4	737	9,290	4,380	13,700	1,980	15,700	16.0
23 1'	10/15/2020	1'	Excavated	7.53	345	4,240	1,680	5,920	694	6,610	<16.0
24 1'	10/15/2020	1'	Excavated	11.7	316	3,300	1,920	5,220	855	6,080	64.0
25 1'	10/15/2020	1'	Excavated	32.6	793	9,390	2,340	11,700	905	12,600	<16.0
26 1'	10/15/2020	1'	Excavated	1.91	158	2,120	1,870	3,990	829	4,820	<16.0
27 1'	10/15/2020	1'	Excavated	64.6	869	10,000	2,060	12,100	778	12,800	<16.0
28 1'	10/15/2020	1'	Excavated	1.20	112	2,390	1,300	3,690	536	4,230	<16.0
29 1'	10/15/2020	1'	Excavated	22.7	429	6,230	1,990	8,220	1,050	9,270	32.0
30 1'	10/15/2020	1'	Excavated	87.8	1,030	11,600	1,940	13,500	745	14,300	<16.0
31 1'	10/15/2020	1'	Excavated	40.4	661	7,710	1,370	9,080	469	9,550	<16.0
32 1'	10/15/2020	1'	Excavated	32.7	496	1,360	649	2,010	239	2,250	32.0
33 1'	10/15/2020	1'	Excavated	0.162	3.28	21.0	64.9	85.9	17.9	104	<16.0
34 1'	10/15/2020	1'	Excavated	21.1	401	4,290	1,070	5,360	313	5,670	<16.0
35 1'	10/15/2020	1'	Excavated	<0.050	1.13	12.8	123	136	109	245	<16.0
NH @ Surf	10/21/2020	Surface	In-Situ	<0.050	1.06	10.4	<10.0	10.4	<10.0	10.4	<16.0
NH @ 1'	10/21/2020	1'	In-Situ	<0.050	0.865	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria*Italicized* text denotes a concentration that exceeds the NMOCD Reclamation Standard

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
ETC Texas Pipeline, Ltd.
2B Pipeline Release
NMOCD Ref. #: nRM2030731626

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
EH @ Surf	10/21/2020	Surface	In-Situ	<0.050	1.48	12.5	<10.0	12.5	<10.0	12.5	<16.0
EH @ 1'	10/21/2020	1'	In-Situ	0.0600	1.68	14.6	<10.0	14.6	<10.0	14.6	<16.0
SH @ Surf	10/21/2020	Surface	In-Situ	0.0570	0.713	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH @ 1'	10/21/2020	1'	In-Situ	0.0650	1.16	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH @ Surf	10/21/2020	Surface	In-Situ	0.0710	1.24	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH @ 1'	10/21/2020	1'	In-Situ	0.0550	0.809	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
V 1 @ 2'	10/21/2020	2'	Excavated	0.360	21.6	299	578	877	348	1,230	<16.0
V 2 @ 1.5'	10/21/2020	1.5'	Excavated	0.0720	2.95	29.4	334	363	271	634	512
V 3 @ 1.5'	10/21/2020	1.5'	Excavated	<0.050	0.376	12.6	<10.0	12.6	<10.0	12.6	256
V 4 @ Surf	10/21/2020	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
V 4 @ 4.5'	10/21/2020	4.5'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
V 10'	12/10/2020	10'	Excavated	0.162	19.4	357	3,060	3,420	566	4,040	960
V 13'	12/10/2020	13'	In-Situ	<0.050	3.18	94.0	576	670	97.2	767	1,310
V 15'	12/10/2020	15'	In-Situ	<0.050	<0.300	<10.0	39.9	39.9	<10.0	39.9	880
V 15.5'	12/10/2020	15.5'	In-Situ	<0.050	<0.300	<10.0	32.5	32.5	<10.0	32.5	448
T.T. RP @ 8'	10/30/2020	8'	Excavated	0.546	34.5	891	4,090	4,980	375	5,360	1,140
T.T. V1 @ 4'	10/30/2020	4'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	10.8
T.T. V2 @ 4'	10/30/2020	4'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,080
Upper Excavation Samples											
RP - ESW	10/21/2020	0'-2'	In-Situ	0.0550	1.18	<10.0	25.5	25.5	17.1	42.6	544
RP - WSW	10/21/2020	0'-4'	Excavated	<0.050	0.719	<10.0	91.5	91.5	71.9	163	16.0
RP - FL @ 4'	10/21/2020	4'	Excavated	3.53	171	1,960	18,500	20,500	4,290	24,800	128
RP - EF @ 5'	10/21/2020	5'	Excavated	<0.050	0.742	20.4	488	508	101	609	400
RP - WFL @ 4'	10/21/2020	4'	Excavated	0.0710	3.75	61.9	223	285	138	423	32.0
NW1	4/16/2021	0'-2'	Excavated	<0.050	<0.300	13.0	67.3	80.3	29.2	110	80.0
NW1B	4/23/2021	0'-2'	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW2	4/16/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	21.1	21.1	<10.0	21.1	352
NW3	4/16/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
NW4	4/16/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW5	4/16/2021	0'-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
NW6	4/20/2021	0'-3'	Excavated	<0.050	<0.300	<10.0	211	211	93.5	305	48.0
NW6B	4/26/2021	0'-4'	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW7	4/20/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	13.6	13.6	<10.0	13.6	32.0
EW1	4/16/2021	0'-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW2	4/16/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	11.8	11.8	<10.0	11.8	96.0
SW1	4/16/2021	0'-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
SW2	4/16/2021	0'-4'	Excavated	<0.050	<0.300	<10.0	150	150	76.6	227	624
SW2B	4/23/2021	0'-4'	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW3	4/16/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
SW4	4/16/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW5D	4/26/2021	0'-3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria*Italicized* text denotes a concentration that exceeds the NMOCD Reclamation Standard

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
ETC Texas Pipeline, Ltd.
2B Pipeline Release
NMOCD Ref. #: nRM2030731626

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
WW1	4/16/2021	0'-2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW2	4/16/2021	0'-2'	Excavated	<0.050	<0.300	<10.0	111	111	31.1	<i>142</i>	32.0
WW2B	4/23/2021	0'-4'	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
WW3	4/16/2021	0'-4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 1 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 2 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 3 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 4 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 5 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 6 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 7 @ 2.5'	4/15/2021	2.5'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 8 @ 3'	4/15/2021	3'	In-Situ	<0.050	<0.300	<10.0	43.0	43.0	11.7	54.7	480
FL 9 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	10.1	10.1	<10.0	10.1	464
FL 10 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	52.3	52.3	22.4	74.7	496
FL 11 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	58.9	58.9	35.3	94.2	480
FL 12B @ 3'	4/15/2021	3'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<i>800</i>
FL 12C @ 4'	4/21/2021	4'	In-Situ	<0.050	<0.300	-	-	-	-	-	816
FL 13 @ 2'	4/15/2021	2'	Excavated	<0.050	<0.300	<10.0	72.3	72.3	62.4	<i>135</i>	384
FL 13B @ 3'	4/21/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 14 @ 2'	4/15/2021	2'	Excavated	<0.050	<0.300	<10.0	12.8	12.8	<10.0	12.8	<i>608</i>
FL 14B @ 3'	4/21/2021	3'	In-Situ	<0.050	<0.300	-	-	-	-	-	448
FL 15 @ 2'	4/15/2021	2'	In-Situ	<0.050	<0.300	<10.0	20.6	20.6	11.1	31.7	544
FL 16 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 17 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 18 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 19 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 20 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 21 @ 4'	4/15/2021	4'	In-Situ	<0.050	0.462	12.6	13.9	26.5	<10.0	26.5	<16.0
FL 22 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 23 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 24 @ 4'	4/15/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 25 @ 2.5'	4/20/2021	2.5'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 26 @ 3'	4/20/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 27 @ 3'	4/20/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 28 @ 4'	4/20/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
FL 29 @ 4'	4/20/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,230
FL 30 @ 4'	4/20/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 31 @ 4'	4/26/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
Lower Excavation Samples											
LNEW	4/15/2021	0'-11'	Excavated	<0.050	<0.300	<10.0	362	362	151	513	784
LNWW	4/15/2021	0'-11'	Excavated	5.63	140	2,000	11,700	13,700	2,650	16,400	512

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria*Italicized* text denotes a concentration that exceeds the NMOCD Reclamation Standard

Table 1 Concentrations of BTEX, TPH & Chloride in Soil ETC Texas Pipeline, Ltd. 2B Pipeline Release NMOCD Ref. #: nRM2030731626											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
LNW1	4/20/2021	0'-13.5'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,710
LEW1	4/20/2021	0'-13.5'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
LSW	4/15/2021	0'-11'	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
LSW2	4/20/2021	0'-13.5'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,300
LSEW	4/15/2021	0'-11'	Excavated	0.173	14.9	281	4,760	5,040	1,630	6,670	1,100
LSWW	4/15/2021	0'-11'	Excavated	1.90	58.5	1,080	11,800	12,900	3,160	16,000	512
LWW1	4/20/2021	0'-13'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
LFL @ 13'	4/15/2021	13'	Excavated	0.199	39.7	389	2,490	2,880	522	3,400	448
LFL Center @ 11'	4/19/2021	11'	Excavated	<0.050	<0.300	<10.0	393	393	156	549	96.0
LFL @ 13' - 2	4/20/2021	13'	In-Situ	<0.050	<0.300	<10.0	203	203	15.6	219	1,440
LFL @ 13' - 3	4/20/2021	13'	Excavated	<0.050	13.9	236	1,730	1,970	194	2,160	960
LFL 13.5' - 3	4/26/2021	13.5'	In-Situ	-	-	<10.0	16.1	16.1	<10.0	16.1	-
LFL @ 13' - 4	4/20/2021	13'	Excavated	<0.050	6.41	140	1,050	1,190	83.8	1,270	1,260
LFL 13.5' - 4	4/26/2021	13.5'	In-Situ	-	-	<10.0	92.7	92.7	15.3	108	-

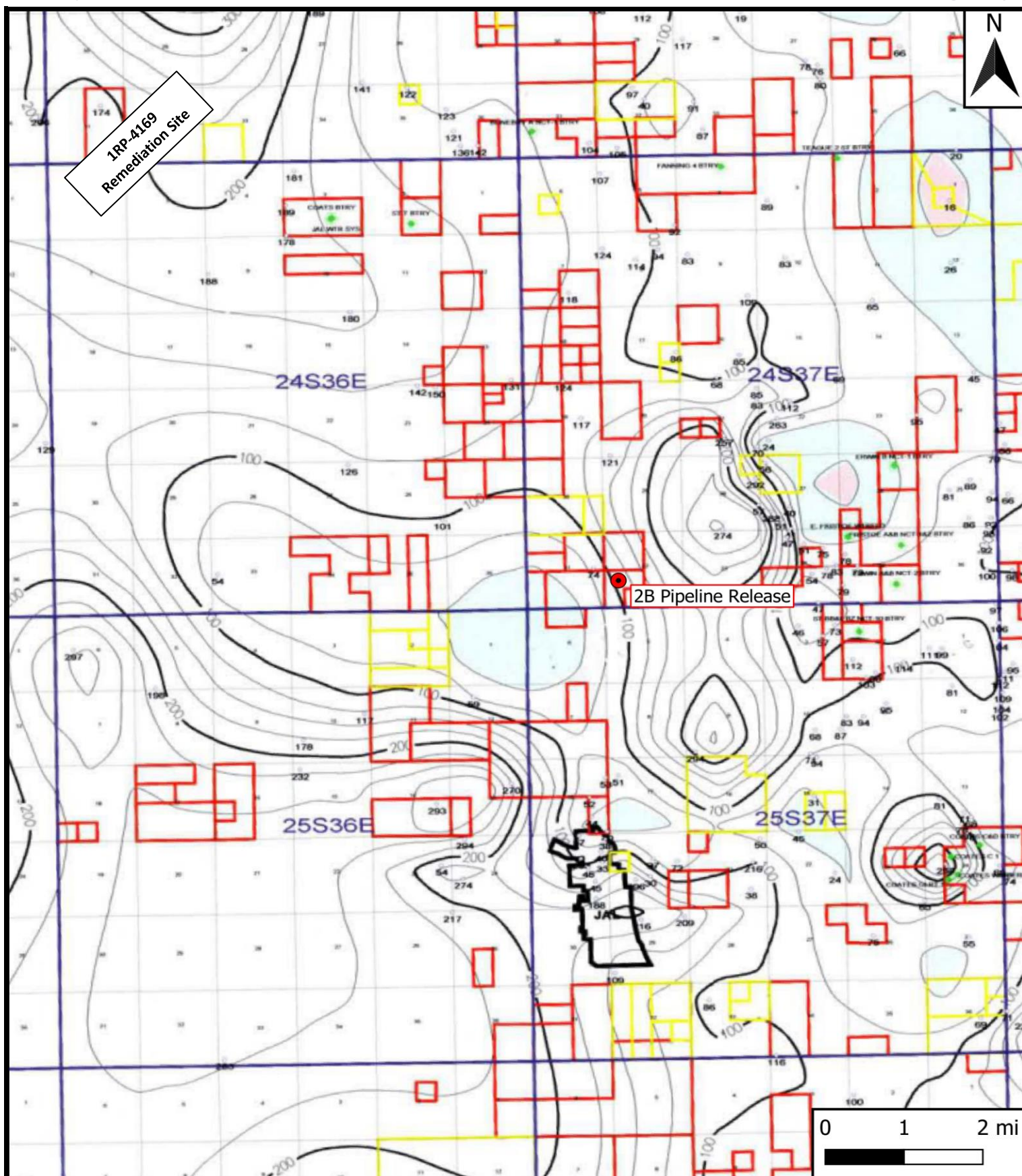
NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria*Italicized* text denotes a concentration that exceeds the NMOCD Reclamation Standard

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
ETC Texas Pipeline, Ltd.
2B Pipeline Release
GPS: 32.17162, -103.19037
Lea County

ETECH
Environmental & Safety Solutions, Inc.

Revised: bja

Checked: jwl

Date: 5/3/21



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	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00494 POD1	CP	LE		2	4	4	31	24S	37E	670239	3560628*	466	500		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 670622.45

Northing (Y): 3560893.71

Radius: 804.67

*UTM location was derived from PLSS - see Help

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.

5/3/21 2:37 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00494 POD1	2	4	4	31	24S	37E	670239	3560628*

Driller License:

Driller Company:

Driller Name: W. PERRY SMITH

Drill Start Date: 05/04/1971

Drill Finish Date: 05/13/1971

Plug Date:

Log File Date: 08/04/1971

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 8.00

Depth Well: 500 feet

Depth Water:

Water Bearing Stratifications:

Top Bottom Description

75 100 Shallow Alluvium/Basin Fill

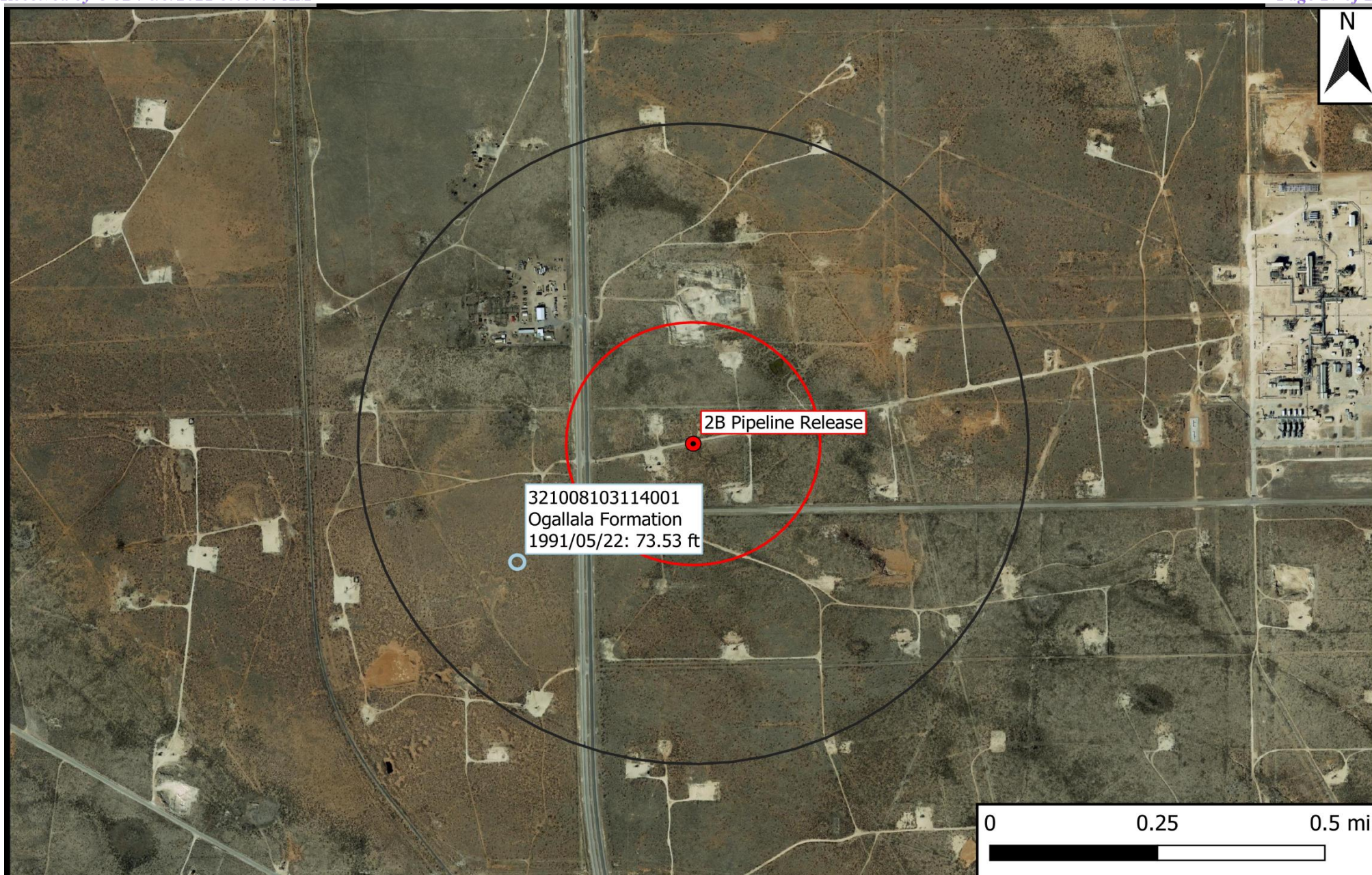
120 135 Shallow Alluvium/Basin Fill

*UTM location was derived from PLSS - see Help

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.

5/3/21 2:38 PM

POINT OF DIVERSION SUMMARY

**Legend**

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

Figure 5

USGS Well Proximity Map
ETC Texas Pipeline, Ltd.
2B Pipeline Release
GPS: 32.17162, -103.19037
Lea County

eTECH
Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 5/3/21



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click for News Bulletins

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321008103114001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321008103114001 24S.37E.31.243442

Lea County, New Mexico

Latitude 32°10'08", Longitude 103°11'40" NAD27

Land-surface elevation 3,240 feet above NAVD88

The depth of the well is 100 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? 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
			72019								
1965-10-22			D	72019	75.98			1	Z		A
1970-12-10			D	72019	74.96			1	Z		A
1976-01-14			D	72019	76.17			1	Z		A
1981-03-18			D	72019	74.17			1	Z		A
1986-03-11			D	72019	74.90			1	Z		A
1991-05-22			D	72019	73.53			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](#)

[Subscribe for system changes](#)

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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: 2021-05-20 15:47:57 EDT

0.34 0.26 nadww02



Appendix B

Field Data & Soil Profile Logs



Sample Log

Date: _____

Project: _____

Project Number: 13297 Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 1 @ 2'	-	120	
FL 2 @ 2'	-	120	
FL 3 @ 2'	-	120	
FL 4 @ 2'	-	184	
FL 5 @ 2'	-	412	
FL 6 @ 2'	-	412	
FL 7 @ 2.5'	-	268	
FL 8 @ 3'	-	572	
FL 9 @ 2'	-	316	
FL 10 @ 2'	?	464	
FL 11 @ 2'	?	464	
FL 12 @ 2'	-	628	
FL 13 @ 2'	-	412	
FL 14 @ 2'	-	572	
FL 15 @ 2'	-	412	
FL 16 @ 4'	-	464	
FL 17 @ 4'	-	628	
FL 18 @ 4'	-	628	
FL 19 @ 4'	-	628	
FL 20 @ 4'	slight	268	
FL 21 @ 3'	-	120	
FL 22 @ 4'	yes	120	
FL 23 @ 4'	yes	184	
FL 24 @ 4'	slight	120	
FL 25 @ 2.5'	-	320	
FL 26 @ 3'	slight	316	
FL 27 @ 4'	yes	412	
FL 28 @ 4'	-	776	
FL 29 @ 4'	-	976	
FL 30 @ 4'	-	404	
FL 12B @ 3'	-	572	
EW 1	-	120	
EW 2	-	184	
NW 1	-	224	
NW 2	-	316	

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



Sample Log

Date: _____

Project:

Project Number: 13297 Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
NW 1	—	184	
NW 2	—	412	
NW 3	—	464	
NW 4	—	464	
SLNW 1	slight	412	
SW 1	—	412	
SW 2	—	572	
SW 3	—	184	
SW 4	—	464	
WW 3	—	4120	
• LNEW 1		812	
LNWW 1		364	
LSEW 1		876	
LSWW 1		412	
• LSW 1		1016	
LFL @ 1B' 1		628	
LFL @ 13' 6			
LFL @ 13' 2			
LFL @ 13 3			
LFL @ 13 4'			
FL 12 @ 4'			
FL 13 @ 3'			
FL 12 @ 4'	—	712	
FL 13 @ 3'			
FL 14 @ 3'		496	
		4/26/21	
SW 5	4.5	5.6 1252	
SW 5B	—	4.8 998	
SW 5B v2	—	5.4 1172	
SW 5c	—	4.6 876	
SW 31 FL 31 @ 4'	—	6.2 1528	
SW 5D	—	3.6 572	

Sample Point = SP #1 @ ## etc Test Trench = TT #1 @ ## Resamples= SP #1 @ 5b or SW #1b
Floor = FL #1 etc Refusal = SP #1 @ 4'-R Stockpile = Stockpile #1
Sidewall = SW #1 etc Soil Intended to be Deferred = SP #1 @ 4' In-Situ GPS Sample Points, Center of Comp Areas



Soil Profile

Date: _____

Project: _____
Project Number: _____ Latitude: _____ Longitude: _____

Depth (ft. bgs)	Description
1	
2	Brown Topsoil w/ Rock
3	Caliche
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
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26	
27	
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29	
30	
31	
32	
33	
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36	
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38	
39	
40	

Appendix C

Photographic Log

Photographic Log



Photo Number: 1	 A photograph showing a dirt road with a large, dark, irregular spill in the center. The spill appears to be a liquid or semi-liquid substance that has dried, leaving a dark residue. The road is flanked by dry, scrubby vegetation. In the background, there are some structures and a clear blue sky. A semi-transparent box in the top right corner of the photo contains the text: "October 20, 2020", "32.17162, -103.19037", and "E".	
Photo Direction: East		
Photo Description: View of the affected area.		

Photo Number: 2	 A photograph showing a dirt road with a large, dark, irregular spill in the center. The spill appears to be a liquid or semi-liquid substance that has dried, leaving a dark residue. The road is flanked by dry, scrubby vegetation. In the background, there are some structures and a clear blue sky. A semi-transparent box in the top right corner of the photo contains the text: "October 20, 2020", "32.17162, -103.19037", and "W".	
Photo Direction: West		
Photo Description: View of the affected area.		

Photographic Log



Photo Number: 3	
Photo Direction: Northeast	
Photo Description: View of the affected area.	

Photo Number: 4	
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photographic Log




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

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

Photographic Log

Photo Number: 7	<div>Apr 15, 2021 at 11:49:33 AM +32.171520,-103.191285 ±5.00m 69° E</div> 
Photo Direction: East	
Photo Description: View of the excavated area.	

Photo Number: 8	<div>Apr 15, 2021 at 2:40:04 PM +32.171655,-103.190385 ±30.00m 269° W</div> 
Photo Direction: West	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 9	
Photo Direction: South	
Photo Description: View of the excavated area.	

Photo Number: 10	
Photo Direction: Southeast	
Photo Description: View of the excavated area.	


Photographic Log

Photo Number: 11	
Photo Direction: East	
Photo Description: View of the remediated area after backfilling and regrading.	

Photo Number: 12	
Photo Direction: North	
Photo Description: View of the remediated area after backfilling and regrading.	

Photographic Log

Photo Number: 13	 <p>May 4, 2021 at 9:41 AM +32.171637,-103.190627</p>
Photo Direction: Southeast	
Photo Description: View of the remediated area after backfilling and regrading.	

Photo Number: 14	 <p>May 4, 2021 at 9:41 AM +32.171728,-103.190166</p>
Photo Direction: West	
Photo Description: View of the remediated area after backfilling and regrading.	

Appendix D

Laboratory Analytical Reports



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

October 16, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 2 - B

Enclosed are the results of analyses for samples received by the laboratory on 10/15/20 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 10/15/2020
Reported: 10/16/2020
Project Name: 2 - B
Project Number: 32.171624-103.190394
Project Location: NEW MEXICO

Sampling Date: 10/15/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 1 1' (H002749-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.110	0.050	10/16/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	0.389	0.050	10/16/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	0.369	0.050	10/16/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	1.39	0.150	10/16/2020	ND	5.63	93.8	6.00	6.70	
Total BTX	2.26	0.300	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/16/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	12.2	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 2 1' (H002749-02)

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	10/15/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	<0.050	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	<0.050	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	<0.150	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70	
Total BTEx	<0.300	0.300	10/15/2020	ND					

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

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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*=Accredited Analyte

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



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 3 1' (H002749-03)

BTX 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	10/15/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	0.086	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	0.090	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	0.502	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70	
Total BTX	0.688	0.300	10/15/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 4 1' (H002749-04)

BTX 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	10/15/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	0.173	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	0.135	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	0.622	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70	
Total BTX	0.951	0.300	10/15/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.8	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.2 % 42.2-156

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



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 5 1' (H002749-05)

BTX 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	10/16/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	0.085	0.050	10/16/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	0.064	0.050	10/16/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	0.449	0.150	10/16/2020	ND	5.63	93.8	6.00	6.70	
Total BTX	0.627	0.300	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.3	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	17.9	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.5 % 42.2-156

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



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 6 1' (H002749-06)

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	10/15/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	<0.050	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	<0.050	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	<0.150	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70	
Total BTEx	<0.300	0.300	10/15/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.4 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 7 1' (H002749-07)

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	10/15/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	<0.050	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	<0.050	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	<0.150	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70	
Total BTEx	<0.300	0.300	10/15/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.6 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 8 1' (H002749-08)

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	10/15/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	<0.050	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	<0.050	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	<0.150	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70	
Total BTEx	<0.300	0.300	10/15/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.0 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 9 1' (H002749-09)

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	10/15/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	<0.050	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	<0.050	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	<0.150	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70	
Total BTEx	<0.300	0.300	10/15/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/16/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.8 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 10 1' (H002749-10)

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	10/15/2020	ND	1.92	96.2	2.00	6.46		
Toluene*	<0.050	0.050	10/15/2020	ND	1.93	96.6	2.00	6.74		
Ethylbenzene*	<0.050	0.050	10/15/2020	ND	1.94	97.1	2.00	6.86		
Total Xylenes*	<0.150	0.150	10/15/2020	ND	5.63	93.8	6.00	6.70		
Total BTEx	<0.300	0.300	10/15/2020	ND						

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

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 11 1' (H002749-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2020	ND	1.92	96.2	2.00	6.46	
Toluene*	<0.050	0.050	10/16/2020	ND	1.93	96.6	2.00	6.74	
Ethylbenzene*	<0.050	0.050	10/16/2020	ND	1.94	97.1	2.00	6.86	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.63	93.8	6.00	6.70	
Total BTEx	<0.300	0.300	10/16/2020	ND					

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

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.6 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 12 1' (H002749-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	<0.050	0.050	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	<0.050	0.050	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEx	<0.300	0.300	10/16/2020	ND					

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

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 13 1' (H002749-13)

BTX 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	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	<0.050	0.050	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	<0.050	0.050	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTX	<0.300	0.300	10/16/2020	ND					

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

Chloride, SM4500CI-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	10/16/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	<10.0	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 14 1' (H002749-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	281	10.0	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	945	10.0	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	282	10.0	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	803	30.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	2310	60.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2020	ND	432	108	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*	23100	50.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	2500	50.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	557	50.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 401 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 15 1' (H002749-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	224	10.0	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	832	10.0	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	255	10.0	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	740	30.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	2050	60.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	432	108	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*	24600	50.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	2930	50.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	769	50.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 533 % 44.3-144

Surrogate: 1-Chlorooctadecane 125 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 16 1' (H002749-16)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.16	0.500	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	33.2	0.500	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	20.3	0.500	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	65.6	1.50	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	122	3.00	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 73.3-129

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2020	ND	432	108	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	907	10.0	10/15/2020	ND	222	111	200	3.56	
DRO >C10-C28*	544	10.0	10/15/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	174	10.0	10/15/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.1 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 17 1' (H002749-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	85.0	5.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	345	5.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	117	5.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	354	15.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	902	30.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	ND	432	108	400	3.77		

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*	6160	10.0	10/16/2020	ND	222	111	200	3.56	
DRO >C10-C28*	1170	10.0	10/16/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	309	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 162 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 18 1' (H002749-18)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	13.3	1.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	111	1.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	55.7	1.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	173	3.00	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	353	6.00	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 73.3-129

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2020	ND	432	108	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2200	10.0	10/16/2020	ND	222	111	200	3.56	
DRO >C10-C28*	929	10.0	10/16/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	270	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 126 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 10/15/2020
Reported: 10/16/2020
Project Name: 2 - B
Project Number: 32.171624-103.190394
Project Location: NEW MEXICO

Sampling Date: 10/15/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 19 1' (H002749-19)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	13.0	0.500	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	76.0	0.500	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	31.1	0.500	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	93.6	1.50	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEx	214	3.00	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	ND	416	104	400	3.77	QM-07

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	975	10.0	10/16/2020	ND	222	111	200	3.56	
DRO >C10-C28*	330	10.0	10/16/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	111	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.6 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 20 1' (H002749-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.194	0.050	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	3.63	0.050	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	0.439	0.050	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	1.38	0.150	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	5.64	0.300	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2020	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*	41.1	10.0	10/16/2020	ND	222	111	200	3.56	
DRO >C10-C28*	108	10.0	10/16/2020	ND	216	108	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.2 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 10/15/2020
Reported: 10/16/2020
Project Name: 2 - B
Project Number: 32.171624-103.190394
Project Location: NEW MEXICO

Sampling Date: 10/15/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 21 1' (H002749-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	17.5	2.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	146	2.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	67.0	2.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	205	6.00	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	436	12.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2020	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*	3850	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	2070	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	859	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 137 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.2 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 22 1' (H002749-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	31.4	5.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	252	5.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	111	5.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	343	15.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	737	30.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/16/2020	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*	9290	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	4380	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	1980	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 195 % 44.3-144

Surrogate: 1-Chlorooctadecane 127 % 42.2-156

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



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 23 1' (H002749-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.53	2.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	105	2.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	56.1	2.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	176	6.00	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEx	345	12.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	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*	4240	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1680	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	694	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 134 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.1 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 24 1' (H002749-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.7	2.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	105	2.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	48.4	2.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	151	6.00	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	316	12.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/16/2020	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*	3300	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1920	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	855	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 144 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 25 1' (H002749-25)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	32.6	5.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	307	5.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	150	5.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	303	15.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	793	30.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
				S-06						

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*	9390	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	2340	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	905	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 177 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 26 1' (H002749-26)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.91	1.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	31.2	1.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	27.3	1.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	97.3	3.00	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTX	158	6.00	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	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*	2120	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1870	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	829	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 144 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.1 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 27 1' (H002749-27)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	64.6	5.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	344	5.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	154	5.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	307	15.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	869	30.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	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*	10000	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	2060	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	778	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 172 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 28 1' (H002749-28)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.20	1.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	23.3	1.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	19.4	1.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	67.9	3.00	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	112	6.00	10/16/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	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*	2390	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1300	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	536	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 133 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.5 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 29 1' (H002749-29)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	22.7	5.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	182	5.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	73.0	5.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	151	15.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	429	30.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2020	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*	6230	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1990	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	1050	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 146 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 30 1' (H002749-30)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	87.8	5.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	405	5.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	138	5.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	402	15.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	1030	30.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	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*	11600	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1940	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	745	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 155 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.0 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 31 1' (H002749-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	40.4	5.00	10/16/2020	ND	2.06	103	2.00	2.23	
Toluene*	249	5.00	10/16/2020	ND	2.05	103	2.00	2.77	
Ethylbenzene*	92.4	5.00	10/16/2020	ND	2.06	103	2.00	2.87	
Total Xylenes*	279	15.0	10/16/2020	ND	5.94	99.0	6.00	2.80	
Total BTEX	661	30.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-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	10/16/2020	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*	7710	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1370	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	469	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 143 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.4 % 42.2-156

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



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

Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 10/15/2020
Reported: 10/16/2020
Project Name: 2 - B
Project Number: 32.171624-103.190394
Project Location: NEW MEXICO

Sampling Date: 10/15/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: 32 1' (H002749-32)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	32.7	2.00	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	190	2.00	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	90.5	2.00	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	183	6.00	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	496	12.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/16/2020	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*	1360	50.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	649	50.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	239	50.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.0 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 33 1' (H002749-33)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.162	0.050	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	0.981	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	0.635	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	1.50	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	3.28	0.300	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	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*	21.0	10.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	64.9	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	17.9	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.3 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 34 1' (H002749-34)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	21.1	2.00	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	155	2.00	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	75.9	2.00	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	150	6.00	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	401	12.0	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	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*	4290	10.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	1070	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	313	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 135 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.3 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 35 1' (H002749-35)

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	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	0.339	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	0.205	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	0.549	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	1.13	0.300	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	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*	12.8	10.0	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	123	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	109	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.2 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 3 2' (H002749-36)

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	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	<0.050	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEx	<0.300	0.300	10/16/2020	ND					

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

Chloride, SM4500CI-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	10/16/2020	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	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.3 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 4 2' (H002749-37)

BTX 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	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	0.050	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTX	<0.300	0.300	10/16/2020	ND					

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

Chloride, SM4500CI-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	10/16/2020	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	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 64.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 60.1 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 10/15/2020
 Reported: 10/16/2020
 Project Name: 2 - B
 Project Number: 32.171624-103.190394
 Project Location: NEW MEXICO

Sampling Date: 10/15/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 5 2' (H002749-38)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.113	0.050	10/16/2020	ND	1.92	96.2	2.00	2.84	
Toluene*	0.406	0.050	10/16/2020	ND	1.97	98.4	2.00	1.51	
Ethylbenzene*	0.075	0.050	10/16/2020	ND	1.89	94.5	2.00	1.49	
Total Xylenes*	0.172	0.150	10/16/2020	ND	5.40	90.0	6.00	3.33	
Total BTEX	0.766	0.300	10/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/16/2020	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	10/16/2020	ND	227	113	200	3.72	
DRO >C10-C28*	<10.0	10.0	10/16/2020	ND	219	110	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/16/2020	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.3 % 42.2-156

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETC				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Dean Erickson				P.O. #:																																											
Address:				Company:																																											
City: State: Zip:				Attn:																																											
Phone #: Fax #:				Address:																																											
Project #: Project Owner:				City:																																											
Project Name: 2-B				State: Zip:																																											
Project Location: 32.171624, -103.190394				Phone #:																																											
Sampler Name: Stephen Spruiell				Fax #:																																											
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																																							
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		LL		TPH		BTEX													
H002749																																															
1		1																																													
2		2																																													
3		3																																													
4		4																																													
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7		7																																													
8		8																																													
9		9																																													
10		10																																													

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Relinquished By: Stephen Spruiell		Date: 10-15 Time: 1545		Received By: Amara Oldakyl		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address:	
		Time:				REMARKS: NM Rush	
Delivered By: (Circle One)		Observed Temp. °C 2.3		Sample Condition		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C #113		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: T.O.		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	
						Thermometer ID #113	
						Correction Factor None	

FORM-006 R 3.1 05/04/20

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETC		BILL TO		ANALYSIS REQUEST																					
Project Manager: Dean Ericson		P.O. #:																							
Address:		Company:																							
City: State: Zip:		Attn:																							
Phone #: Fax #:		Address:																							
Project #: Project Owner:		City:																							
Project Name: 2-B		State: Zip:																							
Project Location: 32.171624, -103.190394		Phone #:																							
Sampler Name: Stephen Spruill		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G) RAB OR (C) COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
H002749													10-5		CL	TPH	BTEX								
11	11																								
12	12																								
13	13																								
14	14																								
15	15																								
16	16																								
17	17																								
18	18																								
19	19																								
20	20																								

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Relinquished By: Stephen Spruill		Date: 10-15	Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 1545			All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		REMARKS: NM Rush	
		Time:				
Delivered By: (Circle One)	Observed Temp. °C 23	Sample Condition	CHECKED BY: (Initials) JS	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		
Sampler - UPS - Bus - Other:	Corrected Temp. °C #113	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		
				Thermometer ID #113 Correction Factor None		
				Corrected Temp. °C		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETC		BILL TO		ANALYSIS REQUEST																				
Project Manager: Dean Ericson		P.O. #:																						
Address:		Company:																						
City: State: Zip:		Attn:																						
Phone #: Fax #:		Address:																						
Project #: Project Owner:		City:																						
Project Name: 2-B		State: Zip:																						
Project Location: 32.171624, -103.190394		Phone #:																						
Sampler Name: Stephen Spruill		Fax #:																						
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																		
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	LL	TPH	BTEX							
H002749													10-15											
21	21 1'																							
22	22 1'																							
23	23 1'																							
24	24 1'																							
25	25 1'																							
26	26 1'																							
27	27 1'																							
28	28 1'																							
29	29 1'																							
30	30 1'																							

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Relinquished By: Stephen Spruill	Date: 10-15 Time: 1545	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
	Time:		REMARKS: Nm Rush
Delivered By: (Circle One)	Observed Temp. °C 23	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C #113	CHECKED BY: T.O.	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETC				BILL TO				ANALYSIS REQUEST											
Project Manager: Dean Ericson				P.O. #:															
Address:				Company:															
City: State: Zip:				Attn:															
Phone #: Fax #:				Address:															
Project #: Project Owner:				City:															
Project Name: 2-B				State: Zip:															
Project Location: 32.171624 -103.190394				Phone #:															
Sampler Name: Stephen Spruill				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:					
				ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME							
H002749																			
31		31 1'																	
32		32 1'																	
33		33 1'																	
34		34 1'																	
35		35 1'																	
36		3 2'																	
37		4 2'																	
38		5 2'																	

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Relinquished By: Stephen Spruill		Date: 10-15		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 15:45				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:				Nm Rush	
Delivered By: (Circle One)		Observed Temp. °C 23		Sample Condition		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C #113		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <i>[Signature]</i>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Thermometer ID #113	
						Correction Factor None	
						Observed Temp. °C	
						Corrected Temp. °C	

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

October 27, 2020

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/21/20 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: RP - WSW (H002810-01)

BTX 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	10/26/2020	ND	1.82	90.8	2.00	8.77	
Toluene*	0.214	0.050	10/26/2020	ND	1.84	92.2	2.00	9.64	
Ethylbenzene*	0.144	0.050	10/26/2020	ND	1.86	93.1	2.00	9.23	
Total Xylenes*	0.362	0.150	10/26/2020	ND	5.87	97.8	6.00	6.27	
Total BTX	0.719	0.300	10/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.3-129

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	10/23/2020	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	10/22/2020	ND	193	96.6	200	2.58	
DRO >C10-C28*	91.5	10.0	10/22/2020	ND	198	99.0	200	3.47	
EXT DRO >C28-C36	71.9	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 47.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 56.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: RP - ESW (H002810-02)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.055	0.050	10/26/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.357	0.050	10/26/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.187	0.050	10/26/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.580	0.150	10/26/2020	ND	6.31	105	6.00	1.26	
Total BTX	1.18	0.300	10/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/23/2020	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	10/22/2020	ND	193	96.6	200	2.58	
DRO >C10-C28*	25.5	10.0	10/22/2020	ND	198	99.0	200	3.47	
EXT DRO >C28-C36	17.1	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 60.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/21/2020
 Reported: 10/27/2020
 Project Name: 2B PIPELINE
 Project Number: NONE GIVEN
 Project Location: ETC - LEA COUNTY, NM

Sampling Date: 10/21/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: V 4 @ SURFACE (H002810-03)

BTX 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	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	<0.050	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	<0.050	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	<0.150	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	<0.300	0.300	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	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	10/22/2020	ND	193	96.6	200	2.58	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	198	99.0	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/21/2020
 Reported: 10/27/2020
 Project Name: 2B PIPELINE
 Project Number: NONE GIVEN
 Project Location: ETC - LEA COUNTY, NM

Sampling Date: 10/21/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: V 4 @ 4.5' (H002810-04)

BTX 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	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	<0.050	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	<0.050	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	<0.150	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	<0.300	0.300	10/24/2020	ND					

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

Chloride, SM4500CI-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2020	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	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 65.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 68.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: V 3 @ 1.5' (H002810-05)

BTX 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	10/26/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.075	0.050	10/26/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.080	0.050	10/26/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.220	0.150	10/26/2020	ND	6.31	105	6.00	1.26	
Total BTX	0.376	0.300	10/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/23/2020	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*	12.6	10.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 63.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.7 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/21/2020
 Reported: 10/27/2020
 Project Name: 2B PIPELINE
 Project Number: NONE GIVEN
 Project Location: ETC - LEA COUNTY, NM

Sampling Date: 10/21/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 1.5' (H002810-06)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.072	0.050	10/26/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.703	0.050	10/26/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.634	0.050	10/26/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	1.54	0.150	10/26/2020	ND	6.31	105	6.00	1.26	
Total BTX	2.95	0.300	10/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/23/2020	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*	29.4	10.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	334	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	271	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 64.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.6 % 42.2-156

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: V 1 @ 2' (H002810-07)

BTX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.360	0.200	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	4.12	0.200	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	5.30	0.200	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	11.9	0.600	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	21.6	1.20	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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*	299	10.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	578	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	348	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.3 % 42.2-156

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Analytical Results For:

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

Received: 10/21/2020
 Reported: 10/27/2020
 Project Name: 2B PIPELINE
 Project Number: NONE GIVEN
 Project Location: ETC - LEA COUNTY, NM

Sampling Date: 10/21/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: RP - FL @ 4' (H002810-08)

BTEx 8021B		mg/kg	Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.53	0.500	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	47.8	0.500	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	33.9	0.500	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	85.8	1.50	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTEX	171	3.00	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 73.3-129

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	10/23/2020	ND	448	112	400	3.64	

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*	1960	50.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	18500	50.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	4290	50.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 149 % 44.3-144

Surrogate: 1-Chlorooctadecane 294 % 42.2-156

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Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: RP - EF @ 5' (H002810-09)

BTX 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	10/26/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.184	0.050	10/26/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.151	0.050	10/26/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.408	0.150	10/26/2020	ND	6.31	105	6.00	1.26	
Total BTX	0.742	0.300	10/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/23/2020	ND	448	112	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*	20.4	10.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	488	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	101	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.2 % 42.2-156

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Received: 10/21/2020
 Reported: 10/27/2020
 Project Name: 2B PIPELINE
 Project Number: NONE GIVEN
 Project Location: ETC - LEA COUNTY, NM

Sampling Date: 10/21/2020
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WH @ SURFACE (H002810-10)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.071	0.050	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.451	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.208	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.507	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	1.24	0.300	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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	10/27/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/27/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/27/2020	ND					

Surrogate: 1-Chlorooctane 45.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 43.3 % 42.2-156

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Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: WH @ 1' (H002810-11)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.055	0.050	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.279	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.140	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.335	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTEX	0.809	0.300	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

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	10/23/2020	ND	448	112	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	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 64.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 64.0 % 42.2-156

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Analytical Results For:

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Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: RP - WFL @ 4' (H002810-12)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.071	0.050	10/26/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.701	0.050	10/26/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.651	0.050	10/26/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	2.33	0.150	10/26/2020	ND	6.31	105	6.00	1.26	
Total BTEX	3.75	0.300	10/26/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 73.3-129

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	10/23/2020	ND	448	112	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*	61.9	50.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	223	50.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	138	50.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.4 % 42.2-156

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Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: EH @ SURFACE (H002810-13)

BTX 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	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.457	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.265	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.759	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	1.48	0.300	10/24/2020	ND					

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

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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*	12.5	10.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.3 % 42.2-156

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Analytical Results For:

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Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: EH @ 1' (H002810-14)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.060	0.050	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.543	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.270	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.801	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTEX	1.68	0.300	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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*	14.6	10.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: SH @ SURFACE (H002810-15)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.057	0.050	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.270	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.116	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.270	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	0.713	0.300	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 48.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 51.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: SH @ 1' (H002810-16)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.065	0.050	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.441	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.191	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.462	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	1.16	0.300	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 50.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 51.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: NH @ SURFACE (H002810-17)

BTX 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	10/24/2020	ND	2.00	99.9	2.00	0.0539	
Toluene*	0.356	0.050	10/24/2020	ND	2.03	101	2.00	0.981	
Ethylbenzene*	0.181	0.050	10/24/2020	ND	2.03	102	2.00	1.04	
Total Xylenes*	0.526	0.150	10/24/2020	ND	6.31	105	6.00	1.26	
Total BTX	1.06	0.300	10/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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*	10.4	10.0	10/22/2020	ND	210	105	200	0.00429	
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655	
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND					

Surrogate: 1-Chlorooctane 68.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/21/2020	Sampling Date:	10/21/2020
Reported:	10/27/2020	Sampling Type:	Soil
Project Name:	2B PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA COUNTY, NM		

Sample ID: NH @ 1' (H002810-18)

BTX 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	10/24/2020	ND	2.00	99.9	2.00	0.0539		
Toluene*	0.310	0.050	10/24/2020	ND	2.03	101	2.00	0.981		
Ethylbenzene*	0.153	0.050	10/24/2020	ND	2.03	102	2.00	1.04		
Total Xylenes*	0.401	0.150	10/24/2020	ND	6.31	105	6.00	1.26		
Total BTX	0.865	0.300	10/24/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-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	10/23/2020	ND	448	112	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	10/22/2020	ND	210	105	200	0.00429		
DRO >C10-C28*	<10.0	10.0	10/22/2020	ND	191	95.7	200	0.655		
EXT DRO >C28-C36	<10.0	10.0	10/22/2020	ND						

Surrogate: 1-Chlorooctane 67.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.9 % 42.2-156

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 21 of 22

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Joe Lowry</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: P.O. Box 301				Company: <u>ETC</u>																							
City: Lovington		State: NM		Zip: 88260		Attn:																					
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:		City:																					
Project #:		Project Owner: <u>ETC</u>		State:		Zip:																					
Project Name: <u>2B Pipeline</u>		Phone #:		Fax #:																							
Project Location: <u>Rural Leas County, NM</u>																											
Sampler Name: <u>Miguel Ramirez</u>																											
R LAB USE ONLY				MATRIX				PRESERV.				SAMPLING															
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
<u>H002810</u>																											
1 RP-WSW				G 1						X								X		X		X					
2 RP-ESW				G 1						X								X		X		X					
3 V4 @ surface				G 1						X								X		X		X					
4 V4 @ 4.5'				G 1						X								X		X		X					
5 V3 @ 1.5'				G 1						X								X		X		X					
6 V2 @ 1.5'				G 1						X								X		X		X					
7 V1 @ 2'				G 1						X								X		X		X					
8 RP-FL @ 4'				G 1						X								X		X		X					
9 RP-EF @ 5'				G 1						X								X		X		X					
10 WH @ surface				G 1						X								X		X		X					

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Relinquished By: <u>[Signature]</u>	Date: <u>10-21-20</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: <u>1600</u>	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: <u>13.3c</u>	<u>#113</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>TO</u>	

REMARKS: Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 22

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: <u>Joel Lowry</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: P.O. Box 301				Company: <u>ETC</u>																							
City: Lovington State: NM Zip: 88260				Attn:																							
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																							
Project #: Project Owner: <u>ETC</u>				City:																							
Project Name: <u>2 B Pipeline</u>				State: Zip:																							
Project Location: <u>Rural Lea County, NM</u>				Phone #:																							
Sampler Name: <u>Miguel Ramirez</u>				Fax #:																							
R LAB USE ONLY																											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
<u>H002810</u>																											
<u>11</u>	<u>WH @ 1'</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>12</u>	<u>R @ WFL @ 4</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>13</u>	<u>EH @ Surface</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>14</u>	<u>EH @ 1'</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>15</u>	<u>SH @ Surface</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>16</u>	<u>SH @ 1'</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>17</u>	<u>NH @ Surface</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>18</u>	<u>NH @ 1'</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>10-21-20</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<p><small>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.</small></p>																											
Relinquished By: <u>[Signature]</u>				Date: <u>10-21-20</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
				Time: <u>1600</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
Relinquished By:				Date:		Received By:				REMARKS:																	
				Time:																							
Delivered By: (Circle One)				Sample Condition				CHECKED BY:																			
Sampler - UPS - Bus - Other: <u>13.3i</u> <u>#113</u>				Cool Intact				(Initials)																			
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<u>TO</u>																			

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Revision 1.0

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Certificate of Analysis Summary 676595

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: 2B Pipeline Release

Project Id: 13297
Contact: PM
Project Location: Rura Lea County, NM

Date Received in Lab: Mon 11.02.2020 11:00
Report Date: 11.10.2020 15:47
Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	676595-001	676595-002	676595-003			
	Field Id:	T.T. V1 @ 4'	T.T. V2 @ 4'	T.T. RP @ 8'			
	Depth:	4- ft	4- ft	8- ft			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	10.30.2020 00:00	10.30.2020 00:00	10.30.2020 00:00			
BTEX by EPA 8021B	Extracted:	11.04.2020 16:45	11.04.2020 16:45	11.04.2020 16:45			
	Analyzed:	11.05.2020 12:20	11.05.2020 12:40	11.05.2020 13:01			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		<0.00200 0.00200	<0.00200 0.00200	0.546 0.0399			
Benzene							
Toluene		<0.00200 0.00200	<0.00200 0.00200	19.9 D 0.0998			
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	0.226 0.0399			
m,p-Xylenes		<0.00399 0.00399	<0.00401 0.00401	10.1 0.0798			
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	3.74 0.0399			
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	13.8 0.0399			
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	34.5 0.0399			
Chloride by EPA 300	Extracted:	11.02.2020 16:50	11.02.2020 16:50	11.02.2020 16:50			
	Analyzed:	11.02.2020 19:21	11.02.2020 19:40	11.02.2020 19:47			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		10.8 5.04	1080 49.8	1140 24.8			
Chloride							
TPH By SW8015 Mod	Extracted:	11.02.2020 11:15	11.02.2020 11:15	11.02.2020 11:15			
	Analyzed:	11.02.2020 14:17	11.02.2020 14:37	11.02.2020 14:56			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		<49.8 49.8	<50.0 50.0	891 50.0			
Gasoline Range Hydrocarbons (GRO)							
Diesel Range Organics (DRO)		<49.8 49.8	<50.0 50.0	4090 50.0			
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<50.0 50.0	375 50.0			
Total TPH		<49.8 49.8	<50.0 50.0	5360 50.0			

BRL - Below Reporting Limit

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





Analytical Report 676595

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

2B Pipeline Release

13297

11.10.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

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

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

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



11.10.2020

Project Manager: **PM**

Etech Environmental & Safety Solution, Inc

P.O. Box 62228

Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **676595**

2B Pipeline Release

Project Address: Rura Lea County, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 676595. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 676595 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

A handwritten signature in black ink that reads "Jessica Kramer".

Jessica Kramer

Project Manager

A Small Business and Minority Company

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



Sample Cross Reference 676595

Etech Environmental & Safety Solution, Inc, Midland, TX

2B Pipeline Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
T.T. V1 @ 4'	S	10.30.2020 00:00	4 ft	676595-001
T.T. V2 @ 4'	S	10.30.2020 00:00	4 ft	676595-002
T.T. RP @ 8'	S	10.30.2020 00:00	8 ft	676595-003



CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: 2B Pipeline Release

Project ID: 13297
Work Order Number(s): 676595

Report Date: 11.10.2020
Date Received: 11.02.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3141451 BTEX by EPA 8021B

Surrogate 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected.

Samples affected are: 676595-003.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 676595-003.



Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX 2B Pipeline Release

Sample Id: **T.T. V1 @ 4'** Matrix: Soil Date Received: 11.02.2020 11:00
 Lab Sample Id: 676595-001 Date Collected: 10.30.2020 00:00 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE
 Analyst: CHE Date Prep: 11.02.2020 16:50 % Moisture:
 Seq Number: 3141215 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.8	5.04	mg/kg	11.02.2020 19:21		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: ARM Date Prep: 11.02.2020 11:15 % Moisture:
 Seq Number: 3141187 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	11.02.2020 14:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.02.2020 14:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.02.2020 14:17	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	11.02.2020 14:17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	84	%	70-130	11.02.2020 14:17		
o-Terphenyl	84-15-1	94	%	70-130	11.02.2020 14:17		



Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX 2B Pipeline Release

Sample Id: T.T. V1 @ 4'

Matrix: Soil

Date Received: 11.02.2020 11:00

Lab Sample Id: 676595-001

Date Collected: 10.30.2020 00:00

Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 11.04.2020 16:45

% Moisture:

Seq Number: 3141451

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.05.2020 12:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.05.2020 12:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.05.2020 12:20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.05.2020 12:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.05.2020 12:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.05.2020 12:20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.05.2020 12:20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.05.2020 12:20		
1,4-Difluorobenzene	540-36-3	95	%	70-130	11.05.2020 12:20		



Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX 2B Pipeline Release

Sample Id: **T.T. V2 @ 4'** Matrix: Soil Date Received: 11.02.2020 11:00
 Lab Sample Id: 676595-002 Date Collected: 10.30.2020 00:00 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE
 Analyst: CHE Date Prep: 11.02.2020 16:50 % Moisture:
 Seq Number: 3141215 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1080	49.8	mg/kg	11.02.2020 19:40		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: ARM Date Prep: 11.02.2020 11:15 % Moisture:
 Seq Number: 3141187 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.02.2020 14:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.02.2020 14:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.02.2020 14:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	11.02.2020 14:37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-130	11.02.2020 14:37		
o-Terphenyl	84-15-1	97	%	70-130	11.02.2020 14:37		



Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX 2B Pipeline Release

Sample Id: T.T. V2 @ 4'

Matrix: Soil

Date Received: 11.02.2020 11:00

Lab Sample Id: 676595-002

Date Collected: 10.30.2020 00:00

Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 11.04.2020 16:45

% Moisture:

Seq Number: 3141451

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.05.2020 12:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.05.2020 12:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.05.2020 12:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.05.2020 12:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.05.2020 12:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.05.2020 12:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.05.2020 12:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	70-130	11.05.2020 12:40		
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.05.2020 12:40		



Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX 2B Pipeline Release

Sample Id: **T.T. RP @ 8'** Matrix: Soil Date Received: 11.02.2020 11:00
 Lab Sample Id: 676595-003 Date Collected: 10.30.2020 00:00 Sample Depth: 8 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE
 Analyst: CHE Date Prep: 11.02.2020 16:50 % Moisture:
 Seq Number: 3141215 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1140	24.8	mg/kg	11.02.2020 19:47		5

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM
 Analyst: ARM Date Prep: 11.02.2020 11:15 % Moisture:
 Seq Number: 3141187 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	891	50.0	mg/kg	11.02.2020 14:56		1
Diesel Range Organics (DRO)	C10C28DRO	4090	50.0	mg/kg	11.02.2020 14:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	375	50.0	mg/kg	11.02.2020 14:56		1
Total TPH	PHC635	5360	50.0	mg/kg	11.02.2020 14:56		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	129	%	70-130	11.02.2020 14:56		
o-Terphenyl	84-15-1	108	%	70-130	11.02.2020 14:56		



Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX 2B Pipeline Release

Sample Id: **T.T. RP @ 8'** Matrix: Soil Date Received: 11.02.2020 11:00
 Lab Sample Id: 676595-003 Date Collected: 10.30.2020 00:00 Sample Depth: 8 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: KTL
 Analyst: KTL Date Prep: 11.04.2020 16:45 % Moisture:
 Seq Number: 3141451 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.546	0.0399	mg/kg	11.05.2020 13:01		20
Toluene	108-88-3	19.9	0.0998	mg/kg	11.08.2020 09:57	D	50
Ethylbenzene	100-41-4	0.226	0.0399	mg/kg	11.05.2020 13:01		20
m,p-Xylenes	179601-23-1	10.1	0.0798	mg/kg	11.05.2020 13:01		20
o-Xylene	95-47-6	3.74	0.0399	mg/kg	11.05.2020 13:01		20
Total Xylenes	1330-20-7	13.8	0.0399	mg/kg	11.05.2020 13:01		20
Total BTEX		34.5	0.0399	mg/kg	11.08.2020 09:57		50
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	43	%	70-130	11.05.2020 13:01	***	
4-Bromofluorobenzene	460-00-4	242	%	70-130	11.05.2020 13:01	**	

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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



Etech Environmental & Safety Solution, Inc

2B Pipeline Release

Analytical Method: Chloride by EPA 300

Seq Number: 3141215

MB Sample Id: 7714380-1-BLK

Matrix: Solid

LCS Sample Id: 7714380-1-BKS

Prep Method: E300P

Date Prep: 11.02.2020

LCSD Sample Id: 7714380-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	271	108	268	107	90-110	1	20	mg/kg	11.02.2020 17:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3141215

Parent Sample Id: 676021-009

Matrix: Soil

MS Sample Id: 676021-009 S

Prep Method: E300P

Date Prep: 11.02.2020

MSD Sample Id: 676021-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5960	2520	8690	108	8600	105	90-110	1	20	mg/kg	11.02.2020 19:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3141215

Parent Sample Id: 676459-004

Matrix: Soil

MS Sample Id: 676459-004 S

Prep Method: E300P

Date Prep: 11.02.2020

MSD Sample Id: 676459-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10000	2480	12900	117	12800	113	90-110	1	20	mg/kg	11.02.2020 17:28	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141187

MB Sample Id: 7714378-1-BLK

Matrix: Solid

LCS Sample Id: 7714378-1-BKS

Prep Method: SW8015P

Date Prep: 11.02.2020

LCSD Sample Id: 7714378-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1110	111	990	99	70-130	11	20	mg/kg	11.02.2020 12:19	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1000	100	70-130	10	20	mg/kg	11.02.2020 12:19	

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

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141187

Matrix: Solid

MB Sample Id: 7714378-1-BLK

Prep Method: SW8015P

Date Prep: 11.02.2020

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

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

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

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

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



Etech Environmental & Safety Solution, Inc

2B Pipeline Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3141187

Parent Sample Id: 676594-001

Matrix: Soil

MS Sample Id: 676594-001 S

Prep Method: SW8015P

Date Prep: 11.02.2020

MSD Sample Id: 676594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	912	91	954	95	70-130	5	20	mg/kg	11.02.2020 13:18	
Diesel Range Organics (DRO)	<49.9	998	982	98	997	100	70-130	2	20	mg/kg	11.02.2020 13:18	

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141451

MB Sample Id: 7714573-1-BLK

Matrix: Solid

LCS Sample Id: 7714573-1-BKS

Prep Method: SW5035A

Date Prep: 11.04.2020

LCSD Sample Id: 7714573-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0989	99	0.0942	94	70-130	5	35	mg/kg	11.05.2020 03:32	
Toluene	<0.00200	0.100	0.0977	98	0.0936	94	70-130	4	35	mg/kg	11.05.2020 03:32	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0957	96	70-130	5	35	mg/kg	11.05.2020 03:32	
m,p-Xylenes	<0.00400	0.200	0.199	100	0.190	95	70-130	5	35	mg/kg	11.05.2020 03:32	
o-Xylene	<0.00200	0.100	0.0981	98	0.0931	93	70-130	5	35	mg/kg	11.05.2020 03:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		100		100		70-130	%	11.05.2020 03:32
4-Bromofluorobenzene	115		102		97		70-130	%	11.05.2020 03:32

Analytical Method: BTEX by EPA 8021B

Seq Number: 3141451

Parent Sample Id: 676455-001

Matrix: Soil

MS Sample Id: 676455-001 S

Prep Method: SW5035A

Date Prep: 11.04.2020

MSD Sample Id: 676455-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0694	70	0.0695	70	70-130	0	35	mg/kg	11.05.2020 04:13	
Toluene	<0.00200	0.0998	0.0708	71	0.0741	74	70-130	5	35	mg/kg	11.05.2020 04:13	
Ethylbenzene	<0.00200	0.0998	0.0754	76	0.0799	80	70-130	6	35	mg/kg	11.05.2020 04:13	
m,p-Xylenes	<0.00399	0.200	0.153	77	0.165	83	70-130	8	35	mg/kg	11.05.2020 04:13	
o-Xylene	<0.00200	0.0998	0.0744	75	0.0800	80	70-130	7	35	mg/kg	11.05.2020 04:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		97		70-130	%	11.05.2020 04:13
4-Bromofluorobenzene	100		105		70-130	%	11.05.2020 04:13

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

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

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

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

XENCO

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 260-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 070595

www.xenco.com Page 1 of 1


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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level I <input type="checkbox"/> Level II <input type="checkbox"/> PST/US <input type="checkbox"/> TRRI <input type="checkbox"/> Level III <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

[illegible]

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	NR	3:47/1030	NR	Bingul	11/2/20
					1100

Received: 10.1.19 Rev. 2019

ORIGIN ID: H0BA (575) 332 7000	30OCT20 ACTWGT: 11.00 LB MAN CAD: 0103352/CAFE3313 DIMS: 14x10x10 IN
* MAIL SERVICES ETC 4008 N GRIMES	BILL RECIPIENT
HOBBS, NM 88240 UNITED STATES US	

TO XENCO HOLD FOR PICKUP
FEDEX OFFICE PRINT & SHIP CENTER
FEDEX OFFICE PRINT & SHIP CENTER
200 W INTERSTATE 20
MIDLAND TX 79701

(432) 704-5440 REF: DEPT:
INV: PO:

 FedEx Express  J191219862001u

TRK# 9061 5135 2480 SATURDAY HOLD
0201 PRIORITY OVERNIGHT
41 MAFA HLD
MAFKI
TX-US LBB



Part # 150145-004 FIT EXP 01/21

565C2/A27E/05A2

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I**Date/ Time Received:** 11.02.2020 11.00.00 AM**Work Order #:** 676595**Acceptable Temperature Range:** 0 - 6 degC**Air and Metal samples Acceptable Range:** Ambient**Temperature Measuring device used :** IR-8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.8
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

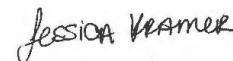
Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 11.02.2020

Checklist reviewed by:

Jessica Kramer

Date: 11.03.2020



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

December 15, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 2 - B

Enclosed are the results of analyses for samples received by the laboratory on 12/11/20 7:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/11/2020
 Reported: 12/15/2020
 Project Name: 2 - B
 Project Number: NONE GIVEN
 Project Location: NEW MEXICO

Sampling Date: 12/10/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: V 13' (H003238-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.02	101	2.00	5.96	
Toluene*	0.191	0.050	12/14/2020	ND	1.92	96.0	2.00	5.88	
Ethylbenzene*	0.447	0.050	12/14/2020	ND	2.01	101	2.00	5.69	
Total Xylenes*	2.54	0.150	12/14/2020	ND	5.76	96.0	6.00	5.29	
Total BTX	3.18	0.300	12/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	12/14/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	94.0	10.0	12/12/2020	ND	248	124	200	0.114	
DRO >C10-C28*	576	10.0	12/12/2020	ND	241	120	200	1.43	
EXT DRO >C28-C36	97.2	10.0	12/12/2020	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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.
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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

December 15, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 2 - B

Enclosed are the results of analyses for samples received by the laboratory on 12/11/20 7:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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.

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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.

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Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/11/2020
 Reported: 12/15/2020
 Project Name: 2 - B
 Project Number: NONE GIVEN
 Project Location: NEW MEXICO

Sampling Date: 12/10/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: V 15' (H003239-01)

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	12/11/2020	ND	2.02	101	2.00	5.96	
Toluene*	<0.050	0.050	12/11/2020	ND	1.92	96.0	2.00	5.88	
Ethylbenzene*	<0.050	0.050	12/11/2020	ND	2.01	101	2.00	5.69	
Total Xylenes*	<0.150	0.150	12/11/2020	ND	5.76	96.0	6.00	5.29	
Total BTEx	<0.300	0.300	12/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	12/14/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2020	ND	248	124	200	0.114	
DRO >C10-C28*	39.9	10.0	12/12/2020	ND	241	120	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	12/12/2020	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>ETC</i>				BILL TO				ANALYSIS REQUEST																																	
Project Manager: <i>Dem Erinson</i>				P.O. #:																																					
Address:				Company:																																					
City: State: Zip:				Attn:																																					
Phone #: Fax #:				Address:																																					
Project #: Project Owner:				City:																																					
Project Name: <i>2-B</i>				State: Zip:																																					
Project Location:				Phone #:																																					
Sampler Name:				Fax #:																																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																																	
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													
<i>H003239</i>		<i>1 V 15</i>		<i>1</i>		<i>1</i>																				<i>12/13/20</i>		<i>11:05 AM</i>		<i>CL</i> <i>Blue</i> <i>TAH</i>											

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Relinquished By:		Date: <i>12/14/20</i>		Received By: <i>Jodi Benson</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <i>11:20 AM</i>		Time: <i>7:40 AM</i>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <i>None</i>	
Time:							
Delivered By: (Circle One)		Observed Temp. °C <i>1.0</i>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <i>[Signature]</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Thermometer ID #113 Correction Factor None	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	

FORM-006 R.S. 1 08/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

December 15, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 2 - B

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

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Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/11/2020
 Reported: 12/15/2020
 Project Name: 2 - B
 Project Number: NONE GIVEN
 Project Location: NEW MEXICO

Sampling Date: 12/10/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: V 15.5' (H003240-01)

BTX 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	12/11/2020	ND	2.02	101	2.00	5.96	
Toluene*	<0.050	0.050	12/11/2020	ND	1.92	96.0	2.00	5.88	
Ethylbenzene*	<0.050	0.050	12/11/2020	ND	2.01	101	2.00	5.69	
Total Xylenes*	<0.150	0.150	12/11/2020	ND	5.76	96.0	6.00	5.29	
Total BTX	<0.300	0.300	12/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/14/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2020	ND	248	124	200	0.114	
DRO >C10-C28*	32.5	10.0	12/12/2020	ND	241	120	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	12/12/2020	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager






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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 12/14/20		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
				Yes <input type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #113 Correction Factor None		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C	

~~FORM-008 R S.1 08/04/20~~

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

December 15, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 2 - B

Enclosed are the results of analyses for samples received by the laboratory on 12/11/20 7:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/11/2020
 Reported: 12/15/2020
 Project Name: 2 - B
 Project Number: NONE GIVEN
 Project Location: NEW MEXICO

Sampling Date: 12/10/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: V 10' (H003241-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.162	0.050	12/14/2020	ND	2.02	101	2.00	5.96	
Toluene*	3.57	0.050	12/14/2020	ND	1.92	96.0	2.00	5.88	
Ethylbenzene*	3.17	0.050	12/14/2020	ND	2.01	101	2.00	5.69	
Total Xylenes*	12.5	0.150	12/14/2020	ND	5.76	96.0	6.00	5.29	
Total BTX	19.4	0.300	12/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 174 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/14/2020	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*	357	10.0	12/12/2020	ND	248	124	200	0.114	
DRO >C10-C28*	3060	10.0	12/12/2020	ND	241	120	200	1.43	
EXT DRO >C28-C36	566	10.0	12/12/2020	ND					

Surrogate: 1-Chlorooctane 125 % 44.3-144

Surrogate: 1-Chlorooctadecane 151 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETC		BILL TO		ANALYSIS REQUEST																					
Project Manager: Dean Erlanson		P.O. #:																							
Address:		Company:																							
City:		Attn:																							
Phone #:		Address:																							
Project #:		City:																							
Project Name: 2-B		State: Zip:																							
Project Location:		Phone #:																							
Sampler Name:		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
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											
HD03241	1110												12/6/20	11:00 AM	CL	BTCL	TARGET								

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Relinquished By:	Date: 12/13/2020 Time: 11:00 AM	Received By: Jodi Benson	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C 1.0	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	REMARKS: nm
		Thermometer ID #113 Correction Factor None	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			Corrected Temp. °C

FORM-006 R 3.1 06/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

April 19, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/15/21 10:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/15/2021
 Reported: 04/19/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: L NEW (H210957-01)

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	04/19/2021	ND	2.17	109	2.00	2.68	
Toluene*	<0.050	0.050	04/19/2021	ND	2.09	105	2.00	2.96	
Ethylbenzene*	0.078	0.050	04/19/2021	ND	2.07	104	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/19/2021	ND	6.12	102	6.00	2.38	
Total BTEX	<0.300	0.300	04/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	04/16/2021	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	04/16/2021	ND	196	97.8	200	0.189	
DRO >C10-C28*	362	10.0	04/16/2021	ND	206	103	200	1.18	
EXT DRO >C28-C36	151	10.0	04/16/2021	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/15/2021
 Reported: 04/19/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: L NWW (H210957-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.63	1.00	04/19/2021	ND	2.17	109	2.00	2.68	
Toluene*	42.8	1.00	04/19/2021	ND	2.09	105	2.00	2.96	
Ethylbenzene*	18.0	1.00	04/19/2021	ND	2.07	104	2.00	2.12	
Total Xylenes*	73.5	3.00	04/19/2021	ND	6.12	102	6.00	2.38	
Total BTEX	140	6.00	04/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/16/2021	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*	2000	100	04/16/2021	ND	196	97.8	200	0.189	
DRO >C10-C28*	11700	100	04/16/2021	ND	206	103	200	1.18	
EXT DRO >C28-C36	2650	100	04/16/2021	ND					

Surrogate: 1-Chlorooctane 218 % 44.3-144

Surrogate: 1-Chlorooctadecane 344 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/15/2021
 Reported: 04/19/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: L SEW (H210957-03)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.173	0.050	04/19/2021	ND	2.17	109	2.00	2.68	
Toluene*	3.46	0.050	04/19/2021	ND	2.09	105	2.00	2.96	
Ethylbenzene*	2.60	0.050	04/19/2021	ND	2.07	104	2.00	2.12	
Total Xylenes*	8.68	0.150	04/19/2021	ND	6.12	102	6.00	2.38	
Total BTEx	14.9	0.300	04/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 182 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	04/16/2021	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*	281	100	04/16/2021	ND	196	97.8	200	0.189	
DRO >C10-C28*	4760	100	04/16/2021	ND	206	103	200	1.18	
EXT DRO >C28-C36	1630	100	04/16/2021	ND					

Surrogate: 1-Chlorooctane 124 % 44.3-144

Surrogate: 1-Chlorooctadecane 301 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/15/2021
 Reported: 04/19/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: L SWW (H210957-04)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.90	0.100	04/19/2021	ND	2.17	109	2.00	2.68	
Toluene*	13.4	0.100	04/19/2021	ND	2.09	105	2.00	2.96	
Ethylbenzene*	8.86	0.100	04/19/2021	ND	2.07	104	2.00	2.12	
Total Xylenes*	34.4	0.300	04/19/2021	ND	6.12	102	6.00	2.38	
Total BTEX	58.5	0.600	04/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 248 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	04/16/2021	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*	1080	100	04/16/2021	ND	196	97.8	200	0.189	
DRO >C10-C28*	11800	100	04/16/2021	ND	206	103	200	1.18	
EXT DRO >C28-C36	3160	100	04/16/2021	ND					

Surrogate: 1-Chlorooctane 210 % 44.3-144

Surrogate: 1-Chlorooctadecane 348 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/15/2021
 Reported: 04/19/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: L SW (H210957-05)

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	04/19/2021	ND	2.17	109	2.00	2.68	
Toluene*	<0.050	0.050	04/19/2021	ND	2.09	105	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/19/2021	ND	2.07	104	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/19/2021	ND	6.12	102	6.00	2.38	
Total BTEX	<0.300	0.300	04/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	04/16/2021	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	04/16/2021	ND	196	97.8	200	0.189	
DRO >C10-C28*	<10.0	10.0	04/16/2021	ND	206	103	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	04/16/2021	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/15/2021
 Reported: 04/19/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: L FL @ 13' (H210957-06)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.199	0.100	04/19/2021	ND	2.17	109	2.00	2.68	
Toluene*	4.17	0.100	04/19/2021	ND	2.09	105	2.00	2.96	
Ethylbenzene*	7.02	0.100	04/19/2021	ND	2.07	104	2.00	2.12	
Total Xylenes*	28.3	0.300	04/19/2021	ND	6.12	102	6.00	2.38	
Total BTX	39.7	0.600	04/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 182 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/16/2021	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*	389	50.0	04/16/2021	ND	196	97.8	200	0.189	
DRO >C10-C28*	2490	50.0	04/16/2021	ND	206	103	200	1.18	
EXT DRO >C28-C36	522	50.0	04/16/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 149 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL 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				ANALYSIS REQUEST																	
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																	
Address: P.O. Box 301				Company: ETC																					
City: Lovington State: NM Zip: 88260				Attn: Dean Erisson																					
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																					
Project #: 13297 Project Owner: ETC				City:																					
Project Name: 2B Pipeline Release				State: Zip:																					
Project Location: Lea County, NM				Phone #:																					
Sampler Name: Matthew Grieson				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H210957				G 1				X		X		4/15/21 8:58		X X X											
1 L NEW												9:00													
2 L NWW												9:05													
3 L SEW												9:08													
4 L SWW												9:13													
5 L SW												9:16													
6 L FL @ 13'																									
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Relinquished By: [Signature]				Date: 4-15-21		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:											
Relinquished By:				Time: 10:15						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:											
				Date:		Received By:				REMARKS:															
				Time:						Please email results to pm@etechenv.com.															
Delivered By: (Circle One)				Sample Condition				CHECKED BY:																	
Sampler - UPS - Bus - Other:				Cool Intact				(Initials)																	
11.9c #113				<input type="checkbox"/> Yes <input type="checkbox"/> No				TO				brought straight to lab from field													



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

April 21, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/16/21 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ 2' (H210984-01)

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	04/20/2021	ND	1.94	97.2	2.00	6.36	
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77	
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08	
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20	
Total BTEX	<0.300	0.300	04/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

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	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.3 % 42.2-156

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ 2' (H210984-02)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36	
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77	
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08	
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20	
Total BTX	<0.300	0.300	04/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-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	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ 2' (H210984-03)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-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	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 4 @ 2' (H210984-04)

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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTEx	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 2' (H210984-05)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 2' (H210984-06)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ 2.5' (H210984-07)

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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTEX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

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	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 8 @ 3' (H210984-08)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36	
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77	
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08	
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20	
Total BTX	<0.300	0.300	04/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	43.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	11.7	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.4 % 42.2-156

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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 2' (H210984-09)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36	
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77	
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08	
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20	
Total BTX	<0.300	0.300	04/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	10.1	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.7 % 42.2-156

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 2' (H210984-10)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	52.3	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	22.4	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.5 % 42.2-156

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Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 2' (H210984-11)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	58.9	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	35.3	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.9 % 42.2-156

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 Fax To: (575) 396-1429

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 12B @ 3' (H210984-12)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.7 % 42.2-156

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 Fax To: (575) 396-1429

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 13 @ 2' (H210984-13)

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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTEx	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	72.3	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	62.4	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.5 % 42.2-156

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Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 14 @ 2' (H210984-14)

BTX 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	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	12.8	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.8 % 42.2-156

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Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 15 @ 2' (H210984-15)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTEX	<0.300	0.300	04/20/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	20.6	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	11.1	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.4 % 42.2-156

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Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 16 @ 4' (H210984-16)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/20/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	6.59	110	6.00	4.20		
Total BTEx	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 17 @ 4' (H210984-17)

BTX 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	04/21/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/21/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.59	110	6.00	4.20		
Total BTX	<0.300	0.300	04/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.6 % 42.2-156

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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 18 @ 4' (H210984-18)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2021	ND	1.94	97.2	2.00	6.36		
Toluene*	<0.050	0.050	04/21/2021	ND	2.07	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.08	104	2.00	5.08		
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.59	110	6.00	4.20		
Total BTEx	<0.300	0.300	04/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	04/20/2021	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	04/20/2021	ND	219	110	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	237	119	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.2 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 396-1429

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 19 @ 4' (H210984-19)

BTX 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	04/20/2021	ND	2.01	101	2.00	4.56		
Toluene*	<0.050	0.050	04/20/2021	ND	2.00	100	2.00	3.73		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.01	100	2.00	4.43		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	5.89	98.1	6.00	4.66		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	04/20/2021	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	04/19/2021	ND	196	98.0	200	7.10	
DRO >C10-C28*	<10.0	10.0	04/19/2021	ND	192	95.9	200	0.353	
EXT DRO >C28-C36	<10.0	10.0	04/19/2021	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.3 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 396-1429

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 20 @ 4' (H210984-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2021	ND	2.01	101	2.00	4.56		
Toluene*	<0.050	0.050	04/20/2021	ND	2.00	100	2.00	3.73		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.01	100	2.00	4.43		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	5.89	98.1	6.00	4.66		
Total BTEx	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/20/2021	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	04/19/2021	ND	196	98.0	200	7.10	
DRO >C10-C28*	<10.0	10.0	04/19/2021	ND	192	95.9	200	0.353	
EXT DRO >C28-C36	<10.0	10.0	04/19/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.0 % 42.2-156

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Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 21 @ 4' (H210984-21)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2021	ND	2.01	101	2.00	4.56		
Toluene*	<0.050	0.050	04/20/2021	ND	2.00	100	2.00	3.73		
Ethylbenzene*	0.072	0.050	04/20/2021	ND	2.01	100	2.00	4.43		
Total Xylenes*	0.390	0.150	04/20/2021	ND	5.89	98.1	6.00	4.66		
Total BTEx	0.462	0.300	04/20/2021	ND						

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

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	04/20/2021	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*	12.6	10.0	04/19/2021	ND	196	98.0	200	7.10	
DRO >C10-C28*	13.9	10.0	04/19/2021	ND	192	95.9	200	0.353	
EXT DRO >C28-C36	<10.0	10.0	04/19/2021	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.7 % 42.2-156

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Analytical Results For:

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 P.O. Box 301
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 Fax To: (575) 396-1429

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 22 @ 4' (H210984-22)

BTX 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	04/20/2021	ND	2.01	101	2.00	4.56		
Toluene*	<0.050	0.050	04/20/2021	ND	2.00	100	2.00	3.73		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.01	100	2.00	4.43		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	5.89	98.1	6.00	4.66		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

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	04/20/2021	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	04/19/2021	ND	196	98.0	200	7.10	
DRO >C10-C28*	<10.0	10.0	04/19/2021	ND	192	95.9	200	0.353	
EXT DRO >C28-C36	<10.0	10.0	04/19/2021	ND					

Surrogate: 1-Chlorooctane 68.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 67.8 % 42.2-156

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Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 23 @ 4' (H210984-23)

BTX 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	04/20/2021	ND	2.01	101	2.00	4.56	
Toluene*	<0.050	0.050	04/20/2021	ND	2.00	100	2.00	3.73	
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.01	100	2.00	4.43	
Total Xylenes*	<0.150	0.150	04/20/2021	ND	5.89	98.1	6.00	4.66	
Total BTX	<0.300	0.300	04/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 73.3-129

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	04/20/2021	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	04/19/2021	ND	196	98.0	200	7.10	
DRO >C10-C28*	<10.0	10.0	04/19/2021	ND	192	95.9	200	0.353	
EXT DRO >C28-C36	<10.0	10.0	04/19/2021	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.5 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 396-1429

Received: 04/16/2021
 Reported: 04/21/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 24 @ 4' (H210984-24)

BTX 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	04/20/2021	ND	2.01	101	2.00	4.56		
Toluene*	<0.050	0.050	04/20/2021	ND	2.00	100	2.00	3.73		
Ethylbenzene*	<0.050	0.050	04/20/2021	ND	2.01	100	2.00	4.43		
Total Xylenes*	<0.150	0.150	04/20/2021	ND	5.89	98.1	6.00	4.66		
Total BTX	<0.300	0.300	04/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 73.3-129

Chloride, SM4500CI-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	04/20/2021	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	04/19/2021	ND	196	98.0	200	7.10	
DRO >C10-C28*	<10.0	10.0	04/19/2021	ND	192	95.9	200	0.353	
EXT DRO >C28-C36	<10.0	10.0	04/19/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.5 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006
Revision 1.0

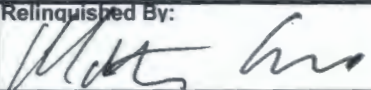
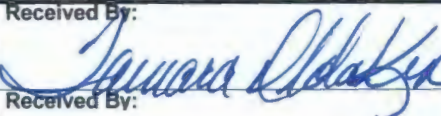
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																					
Project Manager: Lance Crenshaw				P.O. #:				<div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div>																																					
Address: P.O. Box 301				Company: ETC																																									
City: Lovington State: NM Zip: 88260				Attn: Dean Ericsson																																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																																									
Project #: 13297 Project Owner: ETC				City:																																									
Project Name: 2B Pipeline Release				State: Zip:																																									
Project Location: Rural Lea County, NM				Phone #:																																									
Sampler Name: Matthew Grieco and Tyler Griffin				Fax #:																																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																			
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																	
H210984				C		1						X								X				4/15/21				X		X		X													
11		FL11 @ 2'		C		1						X								X				4/15/21				X		X		X													
12		FL12B @ 3'		C		1						X								X				4/15/21				X		X		X													
13		FL13 @ 2'		C		1						X								X				4/15/21				X		X		X													
14		FL14 @ 2'		C		1						X								X				4/15/21				X		X		X													
15		FL15 @ 2'		C		1						X								X				4/15/21				X		X		X													
16		FL16 @ 4'		C		1						X								X				4/15/21				X		X		X													
17		FL17 @ 4'		C		1						X								X				4/15/21				X		X		X													
18		FL18 @ 4'		C		1						X								X				4/15/21				X		X		X													
19		FL19 @ 4'		C		1						X								X				4/15/21				X		X		X													
20		FL20 @ 4'		C		1						X								X				4/15/21				X		X		X													
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Relinquished By: 				Date: 4-16-21		Received By: 				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:				REMARKS:																											
				Time: 1430						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																															
Relinquished By:				Date:		Received By:																																							
				Time:														Please email results to pm@etechenv.com.																											
Delivered By: (Circle One)																																													
Sampler - UPS - Bus - Other: -1.5c #113																																													
						Sample Condition				CHECKED BY:																																			
						Cool Intact				(Initials)																																			
						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				JO.																																			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 22, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/19/21 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/19/2021	Sampling Date:	04/16/2021
Reported:	04/22/2021	Sampling Type:	Soil
Project Name:	2B PIPELINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13297	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA CO NM		

Sample ID: NW1 (H210994-01)

BTX 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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	0.197	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/22/2021	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*	13.0	10.0	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	67.3	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	29.2	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.3 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW2 (H210994-02)

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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEx	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	21.1	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW3 (H210994-03)

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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW4 (H210994-04)

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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW5 (H210994-05)

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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW1 (H210994-06)

BTX 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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-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	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156

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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW2 (H210994-07)

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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	11.8	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.5 % 42.2-156

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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW1 (H210994-08)

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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.3 % 42.2-156

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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW2 (H210994-09)

BTX 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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500CI-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	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	111	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	31.1	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW3 (H210994-10)

BTX 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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.5 % 42.2-156

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 Fax To: (575) 396-1429

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW1 (H210994-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/22/2021	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	04/20/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/20/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/20/2021	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.0 % 42.2-156

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Analytical Results For:

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

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW2 (H210994-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	04/22/2021	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	04/21/2021	ND	231	115	200	5.48	
DRO >C10-C28*	150	10.0	04/21/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	76.6	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.4 % 42.2-156

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW3 (H210994-13)

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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/22/2021	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	04/21/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 42.2-156

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 Fax To: (575) 396-1429

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW4 (H210994-14)

BTX 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	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/22/2021	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	04/21/2021	ND	231	115	200	5.48	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.8 % 42.2-156

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 Fax To: (575) 396-1429

Received: 04/19/2021
 Reported: 04/22/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: L FL CENTER @11' (H210994-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.24	112	2.00	2.41	
Toluene*	<0.050	0.050	04/21/2021	ND	2.16	108	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.13	107	2.00	2.72	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.29	105	6.00	2.77	
Total BTEX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/22/2021	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	04/21/2021	ND	231	115	200	5.48	
DRO >C10-C28*	393	10.0	04/21/2021	ND	256	128	200	7.72	
EXT DRO >C28-C36	156	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.1 % 42.2-156

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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. Project Manager: Lance Crenshaw Address: P.O. Box 301 City: Lovington State: NM Zip: 88260 Phone #: (575) 396-2378 Fax #: (575) 396-1429 Project #: 13297 Project Owner: ETC Project Name: 2B Pipeline Release Project Location: Rural Lea County, NM Sampler Name: Tyler Griffin										BILL TO P.O. #: Company: ETC Attn: Dean Ericsson Address: City: State: Zip: Phone #: Fax #:										ANALYSIS REQUEST									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING		Chloride TPH (8015M) BTEX (8021B)																	
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:		DATE	TIME															
H210994																													
1	NW1	C 1			X				X				4/16/21		X	X	X												
2	NW2	C 1			X				X				4/16/21		X	X	X												
3	NW3	C 1			X				X				4/16/21		X	X	X												
4	NW4	C 1			X				X				4/16/21		X	X	X												
5	NW5	C 1			X				X				4/16/21		X	X	X												
6	EW1	C 1			X				X				4/16/21		X	X	X												
7	EW2	C 1			X				X				4/16/21		X	X	X												
8	WW1	C 1			X				X			4/16/21		X	X	X													
9	WW2	C 1			X				X			4/16/21		X	X	X													
10	WW3	C 1			X				X			4/16/21		X	X	X													

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Relinquished By: Date: 4-19-21 Time: 1:50	Received By: Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: O.I.C. #113		
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) Y.O.

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 26, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/22/21 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/21/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 12C @ 4' (H211034-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	04/26/2021	ND	416	104	400	0.00	

Sample ID: FL 13B @ 3' (H211034-02)

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	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.5 % 38.9-142

Sample ID: FL 14B @ 3' (H211034-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/26/2021	ND	416	104	400	0.00	

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Analytical Results For:

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 LANCE CRENSHAW
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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LWW1 (H211034-04)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/26/2021	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	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 69.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.1 % 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
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LNW1 (H211034-05)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	<0.300	0.300	04/23/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	04/26/2021	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	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.6 % 38.9-142

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Analytical Results For:

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

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LEW1 (H211034-06)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	<0.300	0.300	04/23/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	04/26/2021	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	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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Analytical Results For:

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

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LSW2 (H211034-07)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	<0.300	0.300	04/23/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	04/26/2021	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	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.8 % 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
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LFL @ 13' - 2 (H211034-08)

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	04/23/2021	ND	2.10	105	2.00	6.51		
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11		
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73		
Total Xylenes*	0.218	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95		
Total BTEX	<0.300	0.300	04/23/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	04/26/2021	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	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	203	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	15.6	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.8 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LFL @ 13' - 3 (H211034-09)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	0.886	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	2.48	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	10.5	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	13.9	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 187 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	04/26/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	236	50.0	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	1730	50.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	194	50.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 149 % 38.9-142

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Analytical Results For:

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

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LFL @ 13' - 4 (H211034-10)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	0.269	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	1.07	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	5.08	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	6.41	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 69.9-140

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	04/26/2021	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*	140	50.0	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	1050	50.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	83.8	50.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 122 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 25 @ 2.5' (H211034-11)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-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	04/26/2021	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	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 70.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.3 % 38.9-142

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Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 26 @ 3' (H211034-12)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51		
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11		
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73		
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95		
Total BTX	<0.300	0.300	04/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/26/2021	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	04/23/2021	ND	216	108	200	0.944	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	239	119	200	0.852	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 98.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 3' (H211034-13)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51		
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11		
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73		
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95		
Total BTX	<0.300	0.300	04/23/2021	ND						

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

Chloride, SM4500CI-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	04/26/2021	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	04/23/2021	ND	216	108	200	0.944	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	239	119	200	0.852	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 28 @ 4' (H211034-14)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51		
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11		
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73		
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95		
Total BTX	<0.300	0.300	04/23/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	04/26/2021	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	04/23/2021	ND	216	108	200	0.944	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	239	119	200	0.852	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 29 @ 4' (H211034-15)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	04/26/2021	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	04/23/2021	ND	216	108	200	0.944	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	239	119	200	0.852	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 30 @ 4' (H211034-16)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51		
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11		
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73		
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95		
Total BTX	<0.300	0.300	04/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	04/26/2021	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	04/23/2021	ND	216	108	200	0.944	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	239	119	200	0.852	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 6 (H211034-17)

BTX 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	04/23/2021	ND	2.10	105	2.00	6.51	
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95	
Total BTX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	48.0	16.0	04/26/2021	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	04/23/2021	ND	216	108	200	0.944	
DRO >C10-C28*	211	10.0	04/23/2021	ND	239	119	200	0.852	
EXT DRO >C28-C36	93.5	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 7 (H211034-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2021	ND	2.10	105	2.00	6.51		
Toluene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.11		
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.00	99.9	2.00	6.73		
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.93	98.8	6.00	6.95		
Total BTEX	<0.300	0.300	04/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	04/26/2021	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	04/23/2021	ND	216	108	200	0.944	
DRO >C10-C28*	13.6	10.0	04/23/2021	ND	239	119	200	0.852	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL 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				ANALYSIS REQUEST															
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)															
Address: P.O. Box 301				Company: ETC																			
City: Lovington State: NM Zip: 88260				Attn: Dean Ericsson																			
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																			
Project #: 13297 Project Owner: ETC				City:																			
Project Name: 2B Pipeline Release				State: Zip:																			
Project Location: Rural Lea County, NM				Phone #:																			
Sampler Name: Tyler Griffin				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H211034																							
1 FL12C @ 4'		C 1				X		X		4/21/20		X											
2 FL13B @ 3'		C 1				X		X		4/21/20		X											
3 FL14B @ 3'		C 1				X		X		4/21/20		X											
4 LWW1		C 1				X		X		4/20/21		X X X											
5 LNW1		C 1				X		X		4/20/21		X X X											
6 LEW1		C 1				X		X		4/20/21		X X X											
7 LSW2		C 1				X		X		4/20/21		X X X											
8 LFL @ 13' - 2		C 1				X		X		4/20/21		X X X											
9 LFL @ 13' - 3		C 1				X		X		4/20/21		X X X											
10 LFL @ 13' - 4		C 1				X		X		4/20/21		X X X											
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																							
Relinquished By: [Signature]				Date: 4-22-21				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:											
				Time: 1445								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:											
Relinquished By:				Date:				Received By:				REMARKS:											
				Time:																			
Delivered By: (Circle One)				Sample Condition				CHECKED BY:				Please email results to pm@etechenv.com.											
Sampler - UPS - Bus - Other: -1.6c #113				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials) TO															



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

April 28, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/23/21 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/23/2021
 Reported: 04/28/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1B (H211043-01)

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	04/27/2021	ND	240	120	200	6.09	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	240	120	200	6.32	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	69.1 %	44.3-133							
Surrogate: 1-Chlorooctadecane	67.4 %	38.9-142							

Sample ID: WW 2B (H211043-02)

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	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	<10.0	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	04/26/2021	ND					
Surrogate: 1-Chlorooctane	109 %	44.3-133							
Surrogate: 1-Chlorooctadecane	110 %	38.9-142							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/23/2021
 Reported: 04/28/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 2B (H211043-03)

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	04/27/2021	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	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	<10.0	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	04/26/2021	ND					
Surrogate: 1-Chlorooctane	95.3 %	44.3-133							
Surrogate: 1-Chlorooctadecane	97.1 %	38.9-142							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 28, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/26/21 11:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/26/2021
 Reported: 04/28/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 31 @ 4' (H211054-01)

BTX 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	04/27/2021	ND	2.02	101	2.00	3.03	
Toluene*	<0.050	0.050	04/27/2021	ND	1.99	99.4	2.00	3.27	
Ethylbenzene*	<0.050	0.050	04/27/2021	ND	1.95	97.6	2.00	3.49	
Total Xylenes*	<0.150	0.150	04/27/2021	ND	5.82	97.0	6.00	3.08	
Total BTX	<0.300	0.300	04/27/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	1090	16.0	04/27/2021	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	04/27/2021	ND	248	124	200	0.772	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	252	126	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.5 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/26/2021
 Reported: 04/28/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 5D (H211054-02)

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	04/27/2021	ND	2.02	101	2.00	3.03		
Toluene*	<0.050	0.050	04/27/2021	ND	1.99	99.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	04/27/2021	ND	1.95	97.6	2.00	3.49		
Total Xylenes*	<0.150	0.150	04/27/2021	ND	5.82	97.0	6.00	3.08		
Total BTEx	<0.300	0.300	04/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	336	16.0	04/27/2021	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	04/27/2021	ND	248	124	200	0.772	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	252	126	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.5 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 27, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: 2B PIPELINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/26/21 13:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/26/2021
 Reported: 04/27/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 6 B (H211059-01)

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	04/27/2021	ND	226	113	200	0.170	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	236	118	200	0.445	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	72.3 %	44.3-133							
Surrogate: 1-Chlorooctadecane	67.8 %	38.9-142							

Sample ID: LFL @ 13.5' - 3 (H211059-02)

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	04/27/2021	ND	226	113	200	0.170	
DRO >C10-C28*	16.1	10.0	04/27/2021	ND	236	118	200	0.445	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	78.2 %	44.3-133							
Surrogate: 1-Chlorooctadecane	74.5 %	38.9-142							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/26/2021
 Reported: 04/27/2021
 Project Name: 2B PIPELINE RELEASE
 Project Number: 13297
 Project Location: ETC - LEA CO NM

Sampling Date: 04/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: LFL @ 13.5' - 4 (H211059-03)

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	04/27/2021	ND	226	113	200	0.170	
DRO >C10-C28*	92.7	10.0	04/27/2021	ND	236	118	200	0.445	
EXT DRO >C28-C36	15.3	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	78.5 %	44.3-133							
Surrogate: 1-Chlorooctadecane	79.7 %	38.9-142							

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

State of New Mexico
Oil Conservation Division

Incident ID	nRM2030731626
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: Carolyn Blackaller Title: Sr. Environmental Specialist
 Signature:  Date: 6/3/21
 email: Carolyn.Blackaller@energytransfer.com Telephone: (432)203-8290

OCD Only

Received by: Robert Hamlet Date: 9/3/2021

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: Robert Hamlet Date: 9/3/2021
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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 30463

CONDITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 30463
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2030731626 2B PIPELINE, thank you. This closure is approved.	9/3/2021