Oil Conservation Division

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ✓ Field data
- Data table of soil contaminant concentration data
- \checkmark Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- ✓ Topographic/Aerial maps
- ✓ Laboratory data including chain of custody

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

Form C-141	State of New Mer		Incident ID	nRM2030731626
Page 4	Oil Conservation Di	vision	District RP	
			Facility ID	
			Application ID	
· · · · ·	e of a C-141 report does not relieve the o	oose a threat to groundwater, perator of responsibility for o		
addition, OCD acceptance and/or regulations. Printed Name: <u>Caroly</u>		perator of responsibility for o		
and/or regulations.	n Blackaller	perator of responsibility for o	compliance with any other fed	
and/or regulations. Printed Name: Caroly Signature: Caroly	n Blackaller	perator of responsibility for or Title: Sr. Envi	compliance with any other fed ronmental Specialist	
and/or regulations. Printed Name: Caroly Signature:		Title: Sr. Envi	compliance with any other fed ronmental Specialist	

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SET form C-141 Bage 6 Bage 6

State of New Mexico Oil Conservation Division

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: Caroly Barelagen	Date: UI3/21					
email: Carolyn Blackaller@energytransfer.com	Telephone: (432)203-8290					
OCD Only						
Received by:	Date:					
	e party of liability should their operations have failed to adequately investigate surface water, human health, or the environment nor does not relieve the responsi- ws 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

Arguijo

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Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

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- Appendix B Field Data & Soil Profile Logs
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports

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:

Latitude:	-103.19037								
		Provide	Longitude ed GPS are in WGS84 for						
Site Name:	2B Pipe	eline Release	Site Type:		Pipeline				
Date Release Dis	covered:	10/13/2020	API # (if appl	icable):	N/A				
Unit Letter	Section	Township	Range	County					
"L"	32	24S	37E	Lea					
urface Owner:	X State	Federal Tribal	Private (Na	ame					
		Nature ar	nd Volume of	Release					
Crude Oil	Volum	ne Released (bbls)		Volume Rec	covered (bbls)				
Produced W	vater Volum	ne Released (bbls)		Volume Rec	Volume Recovered (bbls)				
		concentration of total of the produced water		Yes	Yes No N/A				
Condensate	Volum	ne Released (bbls)		Volume Rec	Volume Recovered (bbls)				
Natural Gas	Volum	ne Released (Mcf)		Volume Rec	Volume Recovered (Mcf)				
X Other (desc	ribe) Volum	e/Weight Released		Volume/Wei	Volume/Weight Recovered				
Crude Oil & Produced Cause of Releas			8	Unknown - 3rd pa	rty recovered liquids (thought it was their lin				
		corrosion of the pipeli	ine segment.						
		In	nitial Response						
X The source of	of the release h	as been stopped.							
X The impacted	l area has been	secured to protect hun	nan health and the	environment.					
X Release mate	erials have bee	n contained via the use	e of berms or dikes,	absorbent pad, or	other containment devices				
X All free liqui	ds and recover	able materials have bee	en removed and ma	naged appropriate	ely.				

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

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) 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*‡
	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
70' - 75'	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, LNWW, 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

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Figure 2 Aerial Proximity Map

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Figure 3 Site & Sample Location Map



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Table 1Concentrations of BTEX, TPH & Chloride in Soil

	Table 1 Comparison of the company method of											
Concentrations of BTEX, TPH & Chloride in Soil ETC Texas Pipeline, Ltd.												
						- ·	ta.					
					2B Pipelin D Ref. #: 1		731676					
NMO	CD Closure C	'riteria		10	50 Kei . #. 1	IKIVI2030		1,000	-	2,500	10,000	
	Reclamation			10	50		_	1,000		2,300	600	
				-	5 8021B	-	SW	7 846 8015M I	- Ext.	100	4500 Cl	
			Soil	511 04	,0021D	CDO		GRO +		TDU	4500 C1	
Sample ID	Date	Depth	Status	Benzene	BTEX	GRO C ₆ -C ₁₀	DRO C ₁₀ -C ₂₈	DRO	ORO C ₂₈ -C ₃₆	ТРН С ₆ -С ₃₆	Chloride	
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	$C_6 - C_{28}$	(mg/kg)	(mg/kg)	(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	<i>902</i>	6,160	1,170	7,330	309	7,640	<16.0	
18 1'	10/15/2020	1'	Excavated	<i>13.3</i>	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	<i>793</i>	9,390	2,340	11,700	905	12,600	<16.0	
26 1'	10/15/2020		Excavated	1.91	158	2,120	1,870	3,990	829	4,820	<16.0	
27 1'	10/15/2020		Excavated	64.6	869	10,000	2,060	12,100	778	12,800	<16.0	
28 1'	10/15/2020		Excavated	1.20	112	2,390	1,300	3,690	536	4,230	<16.0	
29 1'	10/15/2020		Excavated	22.7	<i>429</i>	6,230	1,990	8,220	1,050	9,270	32.0	
30 1'	10/15/2020	1'	Excavated	<i>87.8</i>	1,030	11,600	1,940	13,500	745	14,300	<16.0	
31 1'	10/15/2020		Excavated	40.4	661	7,710	1,370	9,080	469	9,550	<16.0	
32 1'	10/15/2020		Excavated	32.7	496	1,360	649	2,010	239	2,250	32.0	
33 1'	10/15/2020		Excavated	0.162	3.28	21.0	64.9	85.9	17.9	104	<16.0	
34 1'	10/15/2020		Excavated	21.1	401	4,290	1,070	5,360	313	5,670	<16.0	
35 1'	10/15/2020		Excavated	< 0.050	1.13	12.8	123	136	109	245	<16.0	
NH @ Surf	10/21/2020			< 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

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Table 1												
Concentrations of BTEX, TPH & Chloride in Soil												
	ETC Texas Pipeline, Ltd. 2B Pipeline Release											
					-							
	~~ ~				D Ref. #: 1	nRM2030'	731626					
	CD Closure C			10	50	-	-	1,000	-	2,500	10,000	
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600	
				SW 846 8021B			SW	GRO +			4500 Cl	
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO	DRO	DRO	ORO	ТРН	Chloride	
			Status	(mg/kg)	(mg/kg)	C ₆ -C ₁₀ (mg/kg)	C ₁₀ -C ₂₈ (mg/kg)	C ₆ -C ₂₈	C ₂₈ -C ₃₆ (mg/kg)	C ₆ -C ₃₆ (mg/kg)	(mg/kg)	
EH @ Surf	10/21/2020	Sumfaga	La Cita	(0.050	1.40			(mg/kg)			(16.0	
EH @ 3uri EH @ 1'	10/21/2020		In-Situ In-Situ	<0.050 0.0600	1.48 1.68	12.5 14.6	<10.0 <10.0	12.5 14.6	<10.0 <10.0	12.5 14.6	<16.0 <16.0	
SH @ Surf	10/21/2020			0.0600	0.713	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
SH @ 1'	10/21/2020		In-Situ In-Situ	0.0570	1.16	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
WH @ Surf	10/21/2020			0.0030	1.10	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
WH @ 1'	10/21/2020		In-Situ	0.0710	0.809	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
V 1 @ 2'	10/21/2020		Excavated	0.360	21.6	299	578	< <u>20.0</u> 877	348	1,230	<16.0	
V 2 @ 1.5'	10/21/2020		Excavated	0.0720	2.95	29.4	378	363	271	634	512	
V 3 @ 1.5'	10/21/2020		Excavated	<0.0720	0.376	12.6	<10.0	12.6	<10.0	12.6	256	
V 4 @ Surf	10/21/2020		Excavated	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
V 4 @ 4.5'	10/21/2020		Excavated	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
V 10'	12/10/2020		Excavated	0.162	19.4	357	3,060	3,420	566	4,040	960	
V 13'	12/10/2020		In-Situ	< 0.050	3.18	94.0	576	670	97.2	767	1,310	
V 15'	12/10/2020		In-Situ	< 0.050	< 0.300	<10.0	39.9	39.9	<10.0	39.9	880	
V 15.5'	12/10/2020		In-Situ	< 0.050	< 0.300	<10.0	32.5	32.5	<10.0	32.5	448	
T.T. RP @ 8'	10/30/2020		Excavated	0.546	34.5	891	4,090	4,980	375	5,360	1,140	
T.T. V1 @ 4'	10/30/2020		In-Situ	< 0.00200		<49.8	<49.8	<49.8	<49.8	<49.8	10.8	
T.T. V2 @ 4'	10/30/2020	4'		< 0.00200		<50.0	<50.0	<50.0	<50.0	<50.0	1,080	
		<u> </u>		U	pper Excava	tion 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	1	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		< 0.300	<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.

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Table 1												
Concentrations of BTEX, TPH & Chloride in Soil ETC Texas Pipeline, Ltd.												
							td.					
					2B Pipelin							
		• •			D Ref. #: 1	1KM2030	/31626	1 000			10.000	
	CD Closure C Reclamation			10	50	-	-	1,000	-	2,500	10,000	
INIVIOLE	Reclamation	Stanuaru		10 SW 846	50	-	-	- 7 846 8015M 1	-	100	600	
			a "	5 11 840	0 8021D			GRO +			4500 Cl	
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO C ₆ -C ₁₀	DRO C ₁₀ -C ₂₈	DRO	ORO C ₂₈ -C ₃₆	ТРН С ₆ -С ₃₆	Chloride	
			Status	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C ₆ -C ₂₈	(mg/kg)	(mg/kg)	(mg/kg)	
WW1	4/16/2021	0'-2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <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	< <u>30.0</u> 142	32.0	
WW2B	4/23/2021	0'-4'	In-Situ	<0.030	<0.500	<10.0	<10.0	<20.0	<10.0	<30.0	52.0	
WW2D 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	800	
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	135	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	608	
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	
					ower Excava	-						
LNEW	4/15/2021		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.

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	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
				SW 840	5 8021B		SW	846 8015M	Ext.	-	4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
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:

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Appendix A Depth to Groundwater Information

Received by OCD: 6/3/2021 8:05:06 AM

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Released to Imaging: 9/3/2021 2:36:00 PM

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 (quarters are smalle		=SE) (NAD83 UTM in m	eters) ((In feet)
POD Number	POD Sub- Code basin Cou	QQQ unty 64 16 4 Sec Tws	Png	X Y	•	Depth Water Water Column
CP 00494 POD1		E 2 4 4 31 24S		-	466 500	
				Avera	age 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.



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quart	ters are	e 1=N	W 2=	NE 3=S	W 4=SE)			
		(quarters are smallest to largest)						(NAD83 U	TM in meters)		
Well Tag	POD	Number	Q64	Q16	Q4	Sec	Tws	Rng	Χ	Y	
	CP 0	0494 POD1	2	4	4	31	24S	37E	670239	3560628* 🔵	
x Driller Lic	ense:		Drille	r Coi	mpa	ny:					
Driller Na	me:	W. PERRY SMITH									
Drill Start	Date:	05/04/1971	Drill I	Finisl	h Da	te:	0	5/13/1971	1 Pl	ug Date:	
Log File D	ate:	08/04/1971	PCW Rcv Date:						So	ource:	
Pump Typ	e:		Pipe D	Disch	arge	Size	:		Es	stimated Yield:	
Casing Siz	e:	8.00	Depth	Wel	l:		5	00 feet	D	epth Water:	
х	Wate	r Bearing Stratificat	tions		Та	n F	Bottom	Descri	ntion		
	,, att	i Dearing Stratifica				•			•	/D : F'11	
					1	75	100) Shallov	w Alluviur	n/Basin Fill	
					10	20	135	5 Shallor	$\propto \Delta 11$	n/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



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National Water Information System: Web Interface

USGS Water Resources

Click forNews Bulletins

Groundwater levels for the Nation

* IMPORTANT: <u>Next Generation Station Page</u>

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 (1210GLL) 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			А
1970-12-10		D	72019	74.96			1	Z			А
1976-01-14		D	72019	76.17			1	Z			А
1981-03-18		D	72019	74.17			1	Z			А
1986-03-11		D	72019	74.90			1	Z			А
1991-05-22		D	72019	73.53			1	Z			А

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USGS Home Contact USGS Search USGS



		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	А	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 News

Accessibility FOIA Privacy Policies and Notices

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

USA Department of Line Internot 1053. 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

USA.gov

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Appendix B Field Data & Soil Profile Logs



Sample Log

Date:

Project: Project Number:

3297

Latitude:

Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
FL = D = 2' $FL = D = 2'$	-	4 20	
FL 2 2 2'		120 2004 120 412-139 412	
$\frac{1}{1+4} \frac{3}{2} \frac{3}{2'}$		L 120	
14 4 a) 2'	-	4192-189	
FLS Q2'	-	412	
FL 6 22'	-	412	
FL 5 22' FL 6 22' FL 7 22.5' FL 8 2 3' FL 9 2 2' FL 10 2' FL 11 2 2' FL 12 2'	-	268	
FL8 2 3'	~	<u>\$72</u> 316	
FL9 2 2'		316	
FL 602'	?	464	
FL 11 22'	?	464	
FL 12 02'	-	628	
$ \begin{array}{c} FL & 11 & 0 & 2' \\ FL & 12 & 0 & 2' \\ FL & 12 & 0 & 2' \\ FL & 13 & 0 & 2' \\ FL & 13 & 0 & 2' \\ FL & 14 & 0 & 2' \\ \end{array} $	-	<u> </u>	
FL14 22'	-	512	
FL 15 22' FL 16 24' FL 17 24'	-	41.2	
FL 1624'_	-	464	
FL 17 24'	· ·	628 628	
FL 18 04	-	628	
FL 19 24'	-	628 268	
FL 20 04'	slight	268	
FL 2122'		120	
FL 2227	Yes	2120 184	
FL 23014'	YES	184	
FL 24 24'	Slight	6120	
FL 25 D 2.5'		320	
FL 25 D 2.5' FL 26 2 3' FL 27 24' FL 28 29' FL 28 29' FL 29 24'	slight xzs	316	
FL 27 24	XES	412	
FL 28 29"	-	776	
FL 29 24'	-	976	
FL 30 014	~	904	
FL12B03'	-	572	
EW1		120	
_EW2		184	
	-	224	
WW2		316	
Sample Point = SP #1 @ ## etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Sidewall = SW #1 etc

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

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Sample Log

Date:

Project: Project Number:

13297

Latitude:

Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
		184	
NW1 NW2	-	412	
NW 3	ب.	969	
NW 7	-	464	
SLNWA	slight	412	
SW1	_	412	
SW 1. SW 2	-	572	
5W3	-	184	
SW4	-	469	
WW3	-	£120	
L'NEW1		812 364	
LNEW1 LNWW1		364	
LSEW 1		876	
LSWW 1		412	
- 1.5W1		1016	
LFL Q 1B' 1		628	
LFL 2 13'6		_	
LFL 213' 2 LFL 213 3			
LFL all 3 3			
LFL 217 4'			
Mas was now in the			
20Stellorg-B			
FL 12 0 3' FL 136 2 3' FL 146 2 3'	~	712	
FL 136 2 3'			
FL 1960 3'		496	
		4/26/21	
SW 5	1/15	5.6 1252	
5W 5B V2	-	4.8 948	
5W 5B V2		5.4 //72	
SWSC	-	4.6 876	
500431 FL 31 @ 41		6.2 1528	
<u>5W 50</u>	-	3-6 572	
S			
202			
Sample Point = SP #1 @ ## etc Floor = FL #1 etc Sidewall = SW #1 etc		Test Trench = 17 #1 @ ##	Resamples= SP #1 @ 5b or SW #1b
G 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
(q p			
ive.			
Sec.			
4			

		đ.
-		13
	1	i & Safety Soli

Soil Profile

Environmentai & Safety Solutions, Inc.		Date:	
Project:			<u></u>
Project Number:	Latitude:	Longitude:	
Depth (ft. bgs)		Description	
1	Brown Topsoil will Back		
2			
3	Caliele		
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16 17			
18			
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25	•••••••••••••••••••••••••••••••••••••••		
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40			

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Appendix C Photographic Log






 Photo Direction:

 East

 Photo Description:

 View of the excavated area.











Appendix D Laboratory Analytical Reports



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



	ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 1 1' (H002749-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 BTEX	2.26	0.300	10/16/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	16.0	16.0	10/16/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



	-	88252	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 2 1' (H002749-02)

BTEX 8021B	mg,	kg	Analyze	d 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	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	42.2-15	6						

Cardinal Laboratories

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Mite Sugar

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



	-	88252	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 3 1' (H002749-03)

BTEX 8021B	mg,	/kg	Analyze	d 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 BTEX	0.688	0.300	10/15/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	% 42.2-15	6						

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Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 4 1' (H002749-04)

BTEX 8021B	mg	/kg	Analyze	d 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 BTEX	0.951	0.300	10/15/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.2	% 42.2-15	6						

Cardinal Laboratories

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Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	94	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 5 1' (H002749-05)

BTEX 8021B	mg,	/kg	Analyze	d 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 BTEX	0.627	0.300	10/16/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.5	% 42.2-15	6						

Cardinal Laboratories

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Mite Sugar

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



	ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 6 1' (H002749-06)

BTEX 8021B	mg/	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



	ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 7 1' (H002749-07)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.6	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	94	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 8 1' (H002749-08)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.0	% 42.2-15	6						

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Mite Sugar

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



	ENERGY TRANSF DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:	ER	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 9 1' (H002749-09)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.8	% 42.2-15	6						

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



	-	88252	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 10 1' (H002749-10)

BTEX 8021B	mg/	/kg	Analyze	d 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 \$	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103 9	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 11 1' (H002749-11)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.6	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 12 1' (H002749-12)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102 9	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 13 1' (H002749-13)

BTEX 8021B	mg,	′kg	Analyze	d 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	101	73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105	42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 14 1' (H002749-14)

BTEX 8021B	mg	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 15 1' (H002749-15)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	125	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.19039	94	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 16 1' (H002749-16)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.1	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 17 1' (H002749-17)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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



	ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 18 1' (H002749-18)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105	% 42.2-15	6						

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



	ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 19 1' (H002749-19)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2020	ND	416	104	400	3.77	QM-07
TPH 8015M	mg	/kg	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.6	% 42.2-15	6						

Cardinal Laboratories

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Mite Sugar

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



	-	88252	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 20 1' (H002749-20)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.2	% 42.2-15	6						

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Mite Sugar

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



	-	88252	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 21 1' (H002749-21)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.2	% 42.2-15	6						

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Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 22 1' (H002749-22)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	127	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 23 1' (H002749-23)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.1	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 24 1' (H002749-24)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/16/2020	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	100	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 25 1' (H002749-25)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 26 1' (H002749-26)

BTEX 8021B	mg	/kg	Analyze	d 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 BTEX	158	6.00	10/16/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.1	% 42.2-15	6						

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



	DEAN I P. O. B	Y TRANSFER ERICSON OX 1226 1, 88252 :	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 27 1' (H002749-27)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	100	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 28 1' (H002749-28)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.5	% 42.2-15	6						

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



	ENERGY TR/ DEAN ERICS P. O. BOX 12 JAL NM, 882 Fax To:	ON 226	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 29 1' (H002749-29)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112	% 42.2-15	6						

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


		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 30 1' (H002749-30)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.0	% 42.2-15	6						

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Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 31 1' (H002749-31)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.4	% 42.2-15	6						

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Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	94	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 32 1' (H002749-32)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.0	% 42.2-15	6						

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Mite Sugar

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



	-	88252	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 33 1' (H002749-33)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.3	% 42.2-15	6						

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Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 34 1' (H002749-34)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.3	% 42.2-15	6						

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 35 1' (H002749-35)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.2	% 42.2-15	6						

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



	ENERGY TRANSF DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:	ER	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 3 2' (H002749-36)

BTEX 8021B	mg/	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.3	% 42.2-15	6						

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Mite Sugar

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



		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	10/15/2020		Sampling Date:	10/15/2020
Reported:	10/16/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.1903	94	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO			

Sample ID: 4 2' (H002749-37)

BTEX 8021B	mg,	/kg	Analyze	d 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	97.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	60.1	% 42.2-15	6						

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



	-	88252	
Received:	10/15/2020	Sampling Date:	10/15/2020
Reported:	10/16/2020	Sampling Type:	Soil
Project Name:	2 - B	Sampling Condition:	Cool & Intact
Project Number:	32.171624-103.190394	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: 5 2' (H002749-38)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	73.3	% 42.2-15	6						

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



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 SM4500CI-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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Whe Sigh

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	ETC						B	LL TO					AN	ALYSI	S RE	QUES	Г		
Project Manage	r: Dean Ericson					P.O.	#:												
Address:						Com	pany:												
City:	State:	Zip:				Attn:													
Phone #:	Fax #:					Addr	ess:								1 1				
Project #:	Project Owned	er:				City:													
Project Name:	2-B		_			State	:	Zip:											
Project Location	1: 32, 171624, - 103, 1403	94			-	Phon	e #:												
Sampler Name:	Stephen Spinill					Fax #	ł:												
FOR LAB USE ONLY			1	ATRI	X	PI	RESERV	SAM	PLING	1									
Lab I.D. H002749 1 2 3 4	Sample I.D.	(G)RAB OR (C)OMP	GROUNDWATER	OIL	SLUDGE	OTHER : ACID/RASE	ICE / COOL OTHER :	date 10-15	TIME	77	TPH	BTeb							
S 9 10 PLEASE NOTE: Liability and	5 1 5 1 7 1 8 1 9 1 10 1 d Damages. Cardinal's liability and client's exclusive remody for																		
consists in no count shall Co	ng those for negligence and any other cause whatseever shall be ardinal be liable for incidental or consequential damages, including	second lines.	ation business	a laterar	tions, lo	es of use	, or loss of p	rollis incurred by	client, ils subsidie	cios,	ble								
Felinguished By Stepher Relinguished By	10.0	Receiv Receiv	ved By:	ati	aterim te	A	dak	<u>e above stated ce</u>	Verbal Re All Result	s are e		s INO Please pl Rush	Add ovide E	'l Phone mail add	#: Iress:				
Delivered By: (Ci Sampler - UPS - I	Pue Others Corrected Temp *C	2.3 #113	Sam Cool	Inta Inta Inta	rditic rct Yes No	M		(ED BY: iais)	Turnarour Thermomet Correction	ter ID a	#113	Standar Rush		Cool	Intact	y) Sample Obse	rved Te	mp. °C	

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Received by OCD: 6/3/2021 8:05:06 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	FTC		BILL TO			ANALYSIS REQUEST
Project Manager	Dean Ericson		P.O. #:			
Address:			Company:			
City:	State:	Zip:	Attn:			
Phone #:	Fax #:		Address:			
Project #:	Project Owne	er:	City:			
Project Name:	2-B		State: Zip:			
Project Location		394	Phone #:			
Sampler Name:	32. 171624 -103. 190 Stephen Spriil		Fax #:			
FOR LAB USE ONLY		MATRIX	PRESERV. SAM	PLING	1	
Lab I.D.	Sample I.D.	 (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SolL OIL SLUDGE 	OTHER: ACID/BASE: ICE / COOL OTHER : OTHER :	TIME	121-	BTA
12	12 1		10.0	1		
17	13 1			-		
14	14 1					
15	15					
16	16 1					
17	17 1					
18	19 1					
19	19 1					
20	20 1					
analyses. All claims including service. In no event shall Car affikates or successors ansing	Damages. Cardinal's liability and client's exclusive remody for titose for negligance and any other cause wheteoever shall be final be liable to incidential concequestid damages, includi out of or related to the performance of services hareunder by	dearned welved unless made in wriling an g without limitation, business interruptions, Cardinal, regardless of whether such claim	ad received by Cardinal within 30 days all , loss of use, or loss of profits incurred by	er completion of t client, its subsidie easons or otherwa	he applicable ries, Se	
Relinquished By	10-15	Received By:	MILIA	Verbal Re All Results		Ino Add'l Phone #: Please provide Email address:
Stephan :	pruill Time: 45	Jellara	Vlda SK			
Relinguished By:	Date: Time:	Received By:		REMARK	S: Nm R	Rush
Delivered By: (Cir Sampler - UPS - E		2-3 Sample Condition Cool Intact Ves Ves No No	(Initials)		er ID #113 Factor None	Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Yes Yes Nc No Corrected Temp. °C

Released to Imaging: 9/3/2021 2:36:00 PM

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Received by OCD: 6/3/2021 8:05:06 AM

Received by OCD: 6/3/2021 8:05:06 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	ETC		BILL	то		ANALYSIS REQUEST
Project Manager:	Dean Fricson		P.O. #:			
Address:			Company:			
City:	State:	Zip:	Attn:			
Phone #:	Fax #:		Address:			
Project #:	Project Owne	r:	City:			
Project Name:	2-B		State: Zip			
Project Location:	32. 171624 - 103. 190	394	Phone #:			
Sampler Name:	1		Fax #:			
FOR LAB USE ONLY	y a system	MATRIX	PRESERV.	SAMPLING	1	
23 23 24 25 24 25 24 27 28 29 30	Sample I.D. 21 1' 22 1' 23 1' 24 1' 25 1' 26 1' 27 5' 28 1 29 1' 30 1'	(G)RAB OR (C)OMP #CONTAINERS GROUNDWATER WASTEWATER SOIL OIL		DATE TIME	HUT 11	
analyses. All claims including service. In no event shall Card	Spmill Time: 1545	deemed welved unless made in willing a g without limitation, business interruptions	and received by Cardinal within 3 s, loss of use, or loss of profils in	0 days after completion of the curred by client, its subsiding e stafed reasons or otherwood Verbal Re	the applicable arise, esult: □Yes □No is are emailed. Please p	rovide Email address:
Delivered By: (Circ Sampler - UPS - B		a-3 Sample Condi Cool Intact IN Tes Ye		Thermomet	nd Time: Standan Rush ter ID #113 Factor None	d D Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes Nc No Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	575)	303-2326	FAY	(575)	393-2476
. 1	212)	393-2326	FAA	(3/3)	393-2410

Company Name:									BI	LL TO					ANALYSIS REQUEST
Project Manager							P.O.	#:							
Address:							Con	npan	ıy:						
City:	State:	Zip:					Attn:								
Phone #:	Fax #:						Address:								
Project #:	Project Owne	r:					City:								
Project Name:	oject Name: 2-B				Stat	e:		Zip:							
Project Location	: 32.171624, -103.190	394					Pho	ne #	k:						
Sampler Name:	Stephar Spinill						Fax	#:							
FOR LAB USE ONLY	/ /		-	MA	TRIX	(F	RES	ERV.	SAM	PLING				
Lab I.D. H002749 31 32 33 33 34 35	Sample I.D. 31 1 32 1 33 1 34 1 35 1	G)RAB OR (C)OMP	GROUNDWATER	VVASIEVAIEK SOIL	OIL	SLUDGE	OTHER:	ACIU/BASE:	OTHER :	DATE 10-15	TIME	72	HOT	Bra	
36 37 38	3 2' Y 2' 5 2										-				
analyses. All claims includin service. In no event shell Ca	sprinill 10-15 Time: 45 Date: Time: Time: rcle One) Observed Temp. °C	deemed wal willhout limi Recei Recei	ved unless Inflon, bus ardless of ived B ived B ived B Sa C	whether	e Cor Inta	ng and lone, lo claim s	bon	d by Ca se, or lo upon a Upon a Cł	ardinal w ones of pe any of the any of the HECK	athin 30 days after offic incarned by to a above stated re	er completion of the client, its subsidie assons or otherwise Verbal Re	the applica view, ise escult: s are end s: nd Time ter ID 4	Premailed.		provide Email address: Rush

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

Received by OCD: 6/3/2021 8:05:06 AM



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ETC - LEA COUNTY, NM

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 ** (See Notes) Project Name: **2B PIPELINE** Sampling Condition: Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Sample ID: RP - WSW (H002810-01)

Project Location:

BTEX 8021B	mg	/kg	Analyze	d 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 BTEX	0.719	0.300	10/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	56.9	% 42.2-15	6						

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Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager



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)

BTEX 8021B	mg/	′kg	Analyze	d 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 BTEX	1.18	0.300	10/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	66.7	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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) Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

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

ETC - LEA COUNTY, NM

Project Location:

BTEX 8021B	mg/	'kg	Analyze	d 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 BTEX	<0.300	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.3-12	9						
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	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

ETC - LEA COUNTY, NM

Tamara Oldaker

Sample Received By:

Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429 10/21/2020 Sampling Date: 10/21/2020 10/27/2020 Sampling Type: Soil 2B PIPELINE Sampling Condition: *** (See Notes)

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

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/	′kg	Analyze	d 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 BTEX	<0.300	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2020	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	68.3	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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)

BTEX 8021B	mg/	/kg	Analyze	d 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 BTEX	0.376	0.300	10/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	66.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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 2 @ 1.5' (H002810-06)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 BTEX	2.95	0.300	10/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	512	16.0	10/23/2020	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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 1 @ 2' (H002810-07)

BTEX 8021B	mg	/kg	Analyze	d 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 BTEX	21.6	1.20	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	139	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.3	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 - FL @ 4' (H002810-08)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	294	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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 - EF @ 5' (H002810-09)

BTEX 8021B	mg/	′kg	Analyze	d 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 BTEX	0.742	0.300	10/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.2	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: WH @ SURFACE (H002810-10)

BTEX 8021B	mg/	′kg	Analyze	d 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 BTEX	1.24	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	43.3	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: WH @ 1' (H002810-11)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	64.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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 - WFL @ 4' (H002810-12)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.4	% 42.2-15	6						

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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 10/21/2020 Sampling Date: 10 10/27/2020 Sampling Type: Samp

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)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 BTEX	1.48	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	<16.0	16.0	10/23/2020	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.3	% 42.2-15	6						

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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 10/21/2020 Sampling Date: 10/37/2020

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	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.6	% 42.2-15	6						

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ETC - LEA COUNTY, NM

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Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429 10/21/2020 Sampling Date: 10/21/2020 10/27/2020 Sampling Type: Soil 2B PIPELINE Sampling Condition: ** (See Notes)

Sample Received By:

Sample ID: SH @ SURFACE (H002810-15)

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/	'kg	Analyze	d 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 BTEX	0.713	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	51.4	% 42.2-15	6						

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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)

BTEX 8021B	mg,	/kg	Analyze	d 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 BTEX	1.16	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	51.7	% 42.2-15	6						

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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 10/21/2020 Sampling Date: 1 10/27/2020

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)

BTEX 8021B	mg/	′kg	Analyze	d 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 BTEX	1.06	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

ETC - LEA COUNTY, NM

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

Sample Received By:

Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429 10/21/2020 Sampling Date: 10/21/2020 10/27/2020 Sampling Type: Soil 2B PIPELINE Sampling Condition: ** (See Notes)

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

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 BTEX	0.865	0.300	10/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	70.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 21 of 22

101 East Marland, Hobbs, NM 88240

Project Manager: Joel Lowington P.O. #: Address: P.O. Box 301 Company: E TC City: Lowington State: NM Zip: 88260 Attn: Phone #: (575) 396-2378 Fax #: (575) 396-1429 Address: Project Name: Project Owner: E TC Project Name: Z B P: R. h: oc State: Zip: Project Cocation: Project Cocation: Project Cocation: Project Rame: MATRIX PRESERV SAMPLING Rue use coarv Sample I.D. Subject Work of the	DATE TIME CHIOLIGE CHIOLIGE COLICE X
Address: P.O. Box 301 Company: E_TC City: Lovington State: NM Zip: 88260 Attn: Phone #: (575) 396-2378 Fax #: (575) 396-1429 Address: (1) Project X: Project Owner: ETc City: (1) (1) (1) Project Name: ZB P:Achroc State: Zip: (1) (1) (1) Project Location: Eval Laceworky, N/m Phone #: (1)	SAMPLING BIEX (8031B) SAMPLING TIME Chloride Chloride Col. C X X X Col. C X
City: Lovington State: NM Zip: 88260 Attn: Phone #: (575) 396-2378 Fax #: (575) 396-1429 Address: Address: Image: City: Image: Ci	SAMPLING BIEX (8031B) SAMPLING BIEX (8031B) SAMPLING Chloride CDATE TIME CDATE TIME CDATE TIME CDATE TIME CDATE TIME CDATE X
Project #: Project Owner: ETC City: Project Name: Z B P: Pc. hind: State: Z ip: Project Location: Rusues unity, N'm Phone #: Sampler Name: Miguel Ruminez Fax #: Rusuesconty Matrix PRESERV Sample I.D. BUNNON ON BUNNELING Willow Seconty BUNNON ON BUNNELING H002810 BUNNON ON BUNNELING Carl P- wsw 2 Image: Project Seconty 1 X Note: Seconty Somple I.D. 2 Image: Project Seconty 1 X Note: Seconty Image: Project Seconty 1 X Note: Seconty Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	DATE TIME 21.20 21.20 2
Project Name: ZB P:R: hind: State: Zip: Project Location: Punt Phone #: Phone #: Sampler Name: Miguel Rumine? Marrix PRESErv. SAMPLING RUBUSE ONLY MATRIX PRESErv. SAMPLING RUBUSE ONLY MATRIX PRESErv. SAMPLING Hoop Silon BY OUT BY OUT BY OUT RUBUSE ONLY Sample I.D. BY OUT BY OUT HOOD SID BY OUT BY OUT BY OUT I BP - WSW I NO I NO I NO Z BP- ES W I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO I NO J V 4 D SUGARG I NO I NO J V 2 D I.5'	DATE TIME 21.20 21.20 2
Project Name: ZB Pickhing State: Zip: Project Location: Evicul Leaceworky, Nm Phone #: Sampler Name: Muguel Rumine? Fax #: RUBUSE ONLY MATRIX PRESERV Sample I.D. MATRIX PRESERV State: US US U WO(0') NO BEVALORY US NUME US US U US	DATE TIME 21.20 21.20 2
Lab I.D. Sample I.D. www.second www.second www.second www.second 1 2 001000 1	DATE TIME 21.20 21.20 2
Lab I.D. Sample I.D. wastername H002810 Vacuum Martename 1 K containers 011 Source 2 EP-wsw 2 EP-wsw 3 V4@ sunAge 4 V4@ sunAge 4 V4@ sunAge 4 V4@ sunAge 4 V4@ sunAge 5 V3@ (.5') 5 V3@ (.5')	DATE TIME 21.20 21.20 2
Lab I.D. Sample I.D. www.second www.second <td>DATE TIME 21.20 21.20 2.20 2</td>	DATE TIME 21.20 21.20 2
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4 V2@ 1.5' Q 1 K 10.212 X X	
7 VIEZ GIX K 102120 XXX	
8 RP-FLQY' GIX XXX	
9 RP-EFPS' GIX X HO-2130 JX &	
10 W H @ Surface G X 10 H W X X X	

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 22

101 East Marland, Hobbs, NM 88240

Company Name:	Etech Environmental & Safety Solu	tions, I	NC.					BI	LL TO		-			ANA	LYSI	S REC	QUEST	
Project Manager:	Joel Lowry					P.0). 株:											
Address: P.O.						Co	mpar	ny: 1	ETC									
City: Lovington	n State: NM	Zip: 8	8260			Att	n:											
Phone #: (575)	396-2378 Fax #: (575) 3	396-142	29			Ad	dress	:			1							
Project #:	Project Owne	E.E	TC			Cit	y:											
Project Name: 2	2 B Pippling				-	Sta	te:		Zip:			2W)	218					
Project Location:	Rugallen County.	NA				Ph	one	k:			Chloride	801	80					
Sampler Name:	2 B Pipeline Rural Len County, Miguel Ramine	-				Fax	k#:				CP	TPH (8015M)	BTEX (8021B)					
R LAB USE ONLY		TT		MA	TRIX		PRES	SERV.	SAMPLI	NG		1	BT					
Lab I.D.	Sample I.D.	- series -	GROUNDWATER	WASTEWATER	OIL	OTHER :	ACID/BASE:	OTHER :	DATE	TIME								200
	WHB1'	G		X				K	10.21-20		X	X	X					
12	RADWFL@4	G	1	X				*	1021.20		N	X	X					 _
	EH D Surface	G	1	X		_	1	(10.21.20		X	X	X		-			
14	EHPY	G		K				(10.21.70		X	X	N		-			_
	SHE SURFALD	4		N			\parallel	X	10-21-20		11	X	W.					
16	SHQ1'	9		X				1	(02.50)		X	X	A					
17	NH @ Sufface	9	1	XX		-			10.21.20		X		1A1		-			 -
(8	NHQI'	9	1	X					10.21.5		X	X	X		-	+		
		+			++-	-		-			-		++		-			
nalyses. All claime including ervice. In no evant shall Car		e deemed v ng wilhout i Cardinal, r	mired unto withinin, bo ggardiess c eived eived	es made usiners in <u>s whethe</u> By: By: Sample Cool	in writing : sterruption	and rece s, toes of <u>m s bas</u> in <u>s</u> bas	ived by C fuse, or ed upon	Cardinal v tess of pa any of th any of th	e above stated re e above stated re source lay c source l	rcompletion of lient, its subst asons or othe Phone I Fax Res REMAR	f Bie applica linies, wise Result: ult: KS:		es 🗆 I		Phone Fax #: NV.CON			
Project Id:

Project Location:

Contact:

eurofins Environment Testing

13297

Rura Lea County, NM

PM

Certificate of Analysis Summary 676595

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: 2B Pipeline Release

 Date Received in Lab:
 Mon 11.02.2020 11:00

 Report Date:
 11.10.2020 15:47

 Project Manager:
 Jessica Kramer

Lab Id: 676595-001 676595-002 676595-003 Field Id: T.T. V1 @ 4 T.T. V2 @ 4' T.T. RP @ 8' Analysis Requested 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 11.04.2020 16:45 11.04.2020 16:45 11.04.2020 16:45 Extracted: Analyzed: 11.05.2020 12:20 11.05.2020 12:40 11.05.2020 13:01 RL mg/kg RL mg/kg RL Units/RL: mg/kg < 0.00200 0.546 0.0399 < 0.00200 0.00200 0.00200 Benzene 19.9 D 0.0998 Toluene < 0.00200 0.00200 < 0.00200 0.00200 < 0.00200 0.00200 < 0.00200 0.00200 0.226 0.0399 Ethylbenzene 0.00399 < 0.00401 0.00401 0.0798 < 0.00399 m,p-Xylenes 10.1 o-Xylene < 0.00200 0.00200 < 0.00200 0.00200 0.0399 3.74 0.00200 0.0399 < 0.00200 0.00200 < 0.00200 Total Xylenes 13.8 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 11.02.2020 19:21 11.02.2020 19:40 11.02.2020 19:47 Analyzed: RL RL RL Units/RL: mg/kg mg/kg mg/kg Chloride 10.8 5.04 1080 49.8 1140 24.8 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 RL mg/kg RL mg/kg RL Units/RL: mg/kg Gasoline Range Hydrocarbons (GRO) <49.8 49.8 < 50.050.0 891 50.0 50.0 Diesel Range Organics (DRO) <49.8 49.8 < 50.0 50.0 4090 375 Motor Oil Range Hydrocarbons (MRO) 49.8 < 50.0 50.0 50.0 <49.8 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

Jession Vermer

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Xenco

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) eurofins Environment Testing Xenco

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,

fession kenner

Jessica Kramer Project Manager

A Small Business and Minority Company

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

eurofins Environment Testing Xenco

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

eurofins Environment Testing Xenco

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' Lab Sample Id: 676595-001		Matrix: Date Col	Soil llected: 10.30.2	2020 00:00		Date Received:11.0 Sample Depth: 4 ft	2.2020 11:	:00
Analytical Method: Chloride by EP	A 300					Prep Method: E300)P	
Tech: CHE								
Analyst: CHE		Date Pre	p: 11.02.2	2020 16:50		% Moisture:	XX7 * 1 /	
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 SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method: TPH By SW80 Tech: DVM Analyst: ARM Seq Number: 3141187	15 Mod	Date Pre	p: 11.02.2	2020 11:15		% Moisture:	3015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prej Result	p: 11.02.2 RL	2020 11:15	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3141187			F.	2020 11:15		% Moisture: Basis: Wet	Weight	Dil
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter	Cas Number	Result	RL	2020 11:15	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.8	RL 49.8	2020 11:15	Units mg/kg	% Moisture: Basis: Wet Analysis Date 11.02.2020 14:17	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <49.8 <49.8	RL 49.8 49.8	2020 11:15	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 11.02.2020 14:17 11.02.2020 14:17	Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <49.8 <49.8 <49.8 <49.8 <49.8	RL 49.8 49.8 49.8	2020 11:15 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Mnalysis Date 11.02.2020 14:17 11.02.2020 14:17 11.02.2020 14:17 11.02.2020 14:17	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	Result <49.8 <49.8 <49.8 <49.8 <49.8	RL 49.8 49.8 49.8 49.8 49.8		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 11.02.2020 14:17 11.02.2020 14:17 11.02.2020 14:17 11.02.2020 14:17 11.02.2020 14:17 Mnalysis Date	Weight Flag U U U U U	1 1 1

Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX

2B Pipeline Release

1	Sample Id: T.T. V1 @ 4' Lab Sample Id: 676595-001			Soil : 10.30.2020 00:00	Date Received:11.02.2020 11: Sample Depth: 4 ft			
Analytical Met	hod: BTEX by EPA 802	1B			Prep Method:	SW5035A		
	KTL KTL		Date Prep:	11.04.2020 16:45	% Moisture:			
Seq Number:	3141451		Duie Prop.		Basis:	Wet Weight		
Demonstern		Car Namehan I	logult DI					

Parameter	Cas Number	r 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' Lab Sample Id: 676595-002		Matrix: Date Coll	Soil lected: 10.30.2	2020 00:00		Date Received:11.0 Sample Depth: 4 ft		:00
Analytical Method: Chloride by EP	PA 300					Prep Method: E30	00P	
Tech: CHE								
Analyst: CHE		Date Prep	p: 11.02.2	2020 16:50		% Moisture: Basis: We	Waiaht	
Seq Number: 3141215						Dasis. we	t 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 SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH By SW80 Tech: DVM Analyst: ARM Seq Number: 3141187	15 Mod	Date Prep	p: 11.02.2	2020 11:15		% Moisture:	8015P t Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	p: 11.02.1 RL	2020 11:15		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3141187		1		2020 11:15		% Moisture: Basis: We	t Weight	Dil 1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter	Cas Number	Result	RL	2020 11:15	Units	% Moisture: Basis: We Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <50.0	RL 50.0	2020 11:15	Units mg/kg	% Moisture: Basis: We Analysis Date 11.02.2020 14:37	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.0 <50.0	RL 50.0 50.0	2020 11:15	Units mg/kg mg/kg	% Moisture: Basis: We <u>Analysis Date</u> 11.02.2020 14:37 11.02.2020 14:37	t Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0	2020 11:15 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 11.02.2020 14:37 11.02.2020 14:37 11.02.2020 14:37 11.02.2020 14:37	t Weight Flag U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 C	Result <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 11.02.2020 14:37 11.02.2020 14:37 11.02.2020 14:37 11.02.2020 14:37	t Weight Flag U U U U Flag	1 1 1

Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX

2B Pipeline Release

1	Sample Id: T.T. V2 @ 4' Lab Sample Id: 676595-002			Soil l: 10.30.2020 00:00	Date Received:11.02.2020 11 Sample Depth: 4 ft		
5	hod: BTEX by EPA 802	1B			Prep Method	SW5035A	
	KTL KTL		Date Prep:	11.04.2020 16:45	% Moisture: Basis:	XX7 4 XX7 * 1 4	
Seq Number:	3141451		•		Dasis.	Wet Weight	
D		Cas Namban	Dogult DI				

Parameter	Cas Numbe	r 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' Lab Sample Id: 676595-003		Matrix: Date Coll	Soil lected: 10.30.	2020 00:00		Date Received: Sample Depth: 8		11:00
Analytical Method: Chloride by EPA	A 300					Prep Method: 1	E300P	
Tech: CHE								
Analyst: CHE		Date Prep	b: 11.02.	2020 16:50		% Moisture: Basis:	XX7 / XX7 * 1	
Seq Number: 3141215						Dasis:	Wet Weigh	t
Parameter	Cas Number	Result	RL		Units	Analysis Dat	te Flag	Dil
Chloride	16887-00-6	1140	24.8		mg/kg	11.02.2020 19:4	47	5
Analytical Method: TPH By SW801	5 Mod					Prep Method:	SW8015P	
Analytical Method: TPH By SW801 Tech: DVM Analyst: ARM Seq Number: 3141187	5 Mod	Date Prep	o: 11.02.	2020 11:15		% Moisture:	SW8015P Wet Weigh	t
Tech: DVM Analyst: ARM	5 Mod Cas Number	Date Prep Result	p: 11.02. RL	2020 11:15	Units	% Moisture:	Wet Weigh	
Tech: DVM Analyst: ARM Seq Number: 3141187				2020 11:15		% Moisture: Basis:	Wet Weigh te Flag	
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter	Cas Number	Result	RL	2020 11:15	Units	% Moisture: Basis: San	Wet Weigh te Flag 56	Dil
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result 891	RL 50.0	2020 11:15	Units mg/kg	% Moisture: Basis: •••••••••••••••••••••••••••••••••••	Wet Weigh te Flag 56 56	Dil 1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result 891 4090	RL 50.0 50.0	2020 11:15	Units mg/kg mg/kg	% Moisture: Basis: ••• Analysis Dat 11.02.2020 14:: 11.02.2020 14::	Wet Weigh te Flag 56 56 56	Dil 1 1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result 891 4090 375 5360	RL 50.0 50.0 50.0	2020 11:15 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Analysis Dat 11.02.2020 14:: 11.02.2020 14:: 11.02.2020 14:: 11.02.2020 14::	Wet Weigh te Flag 56 56 56 56	Dil 1 1 1 1
Tech: DVM Analyst: ARM Seq Number: 3141187 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 C	Result 891 4090 375 5360	RL 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Analysis Dat 11.02.2020 14:: 11.02.2020 14:: 11.02.2020 14:: 11.02.2020 14:: Analysis D	Wet Weigh te Flag 56 56 56 56 56 56 20 Flate Fla	Dil 1 1 1 1

Certificate of Analytical Results 676595

Etech Environmental & Safety Solution, Inc, Midland, TX

2B Pipeline Release

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

Parameter	Cas Numbe	er 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	**	

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Environment Testing

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Flagging Criteria

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.	ND Not Detected			
RL Reporting Limit				
MDL Method Detection Limit	SDL Sample De	tection Limit	LOD Limit of Detection	
PQL Practical Quantitation Limit	MQL Method Qu	antitation Limit	LOQ Limit of Quantitation	n
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/Labo	ratory Control Sample Duplicate
MD/SD Method Duplicate/Samp	ole Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate
+ NELAC certification not offered	for this compound.			

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

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QC Summary 676595

Etech Environmental & Safety Solution, Inc

2B Pipeline Release

Analytical Method: Seq Number: MB Sample Id:	Chloride by EPA 3141215 7714380-1-BLK	300		Matrix: nple Id:	Solid 7714380-1	1-BKS			ep Meth Date Pr D Sample	ep: 11.0	0P)2.2020 4380-1-BSD	
Parameter	MB Result	-	LCS Result	LCS %Rec	LCSD		Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00		271	108	Result 268	%Rec 107	90-110	1	20	mg/kg	11.02.2020 17:08	
Analytical Method: Seq Number: Parent Sample Id:	Chloride by EPA 3141215 676021-009	300		Matrix: nple Id:	Soil 676021-00	09 S			ep Methe Date Pr D Sample	ep: 11.0	0P)2.2020 021-009 SD	
Parameter	Parent	-	MS	MS	MSD	MSD	Limits	%RPD	RPD	Units	Analysis	Flag
Chloride	Result 5960		Result 8690	%Rec 108	Result 8600	%Rec 105	90-110	1	Limit 20	mg/kg	Date 11.02.2020 19:01	
Analytical Method:		300		Madalar	Q - 11			Pı	ep Meth			
Seq Number: Parent Sample Id:	3141215 676459-004			Matrix: nple Id:	5011 676459-00	04 S		MS	Date Pr D Sample	-)2.2020 459-004 SD	
Parameter	Parent Result	-	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10000		12900	117	12800	113	90-110	1	20	mg/kg	11.02.2020 17:28	Х
Analytical Method: Seq Number: MB Sample Id:	TPH By SW8015 3141187 7714378-1-BLK	Mod		Matrix: nple Id:	Solid 7714378-1	1-BKS			ep Methe Date Pr D Sample	ep: 11.0	8015P)2.2020 4378-1-BSD	
Parameter	MB Result	-	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb			1110	111	990 xesuit	7 6 Ket 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 %Re			CS Rec	LCS Flag	LCSI %Re			mits	Units	Analysis Date	
1-Chlorooctane	110			20		106			-130	%	11.02.2020 12:19	
o-Terphenyl	129		1	27		111		70	-130	%	11.02.2020 12:19	
Analytical Method: Seq Number:	TPH By SW8015 3141187	Mod		Matrix: nple Id:	Solid 7714378-	1-BLK		Pr	ep Meth Date Pr		8015P 02.2020	
Parameter			MB Result							Units	Analysis Date	Flag
Motor Oil Range Hydrocar	bons (MRO)		<50.0							mg/kg	11.02.2020 11:59	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$

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

.

Page 13 of 17

QC Summary 676595

eurofins Environment Testing Xenco

Etech Environmental & Safety Solution, Inc

2B Pipeline Release

Analytical Method:	TPH By S	W8015 M	lod						P	rep Meth	od: SW	8015P		
Seq Number:	3141187				Matrix:	Soil				Date Pr	ep: 11.0	02.2020		
Parent Sample Id:	676594-00	1		MS Sar	nple Id:	676594-00	01 S		MSD Sample Id: 676594-001 SD					
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag	
Gasoline Range Hydrocarb	oons (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					1S Rec	MS Flag	MSE %Re			imits	Units	Analysis Date		
1-Chlorooctane				1	00		110)	70	-130	%	11.02.2020 13:18		
o-Terphenyl				1	04		104		70	-130	%	11.02.2020 13:18		

Analytical Method:	BTEX by EPA 8021	B						P	rep Metho	od: SW	5035A				
Seq Number:	3141451]	Matrix:	Solid			Date Prep: 11.04.2020							
MB Sample Id:	7714573-1-BLK		LCS San	nple Id:	7714573-1	I-BKS		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		CS Rec	LCS Flag	LCSI %Re			imits	Units	Analysis Date				
1,4-Difluorobenzene	93		1	00		100		70	-130	%	11.05.2020 03:32				
4-Bromofluorobenzene	115		1	02		97		70	-130	%	11.05.2020 03:32				

Analytical Method:	BTEX by EPA 8021	lB						P	rep Meth	od: SW	5035A	
Seq Number:	3141451]	Matrix:	Soil				Date Pr	ep: 11.0	04.2020	
Parent Sample Id:	676455-001		MS San	nple Id:	676455-00	01 S		MS	D Sample	e Id: 676	455-001 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				IS Rec	MS Flag	MSD %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	00		97		70	-130	%	11.05.2020 04:13	

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

4-Bromofluorobenzene

 $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$

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

105

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

.

11.05.2020 04:13

Page 14 of 17

100

70-130

%



Chain of Custody

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

Allanta, GA (770) 449-8800

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Project Name:	2B Pipelin	r Re	lease	Tu	m Around		**************				ANAL	YSIS RE	QU	EST				n van de Editor - namen û de and	Pres	ervative	Codes
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PO #:						639													None: NC		
SAMPLE RECE	EIPT Ten	p Blank:	Yes No) Wet Ice	: Ces No	5 1 1 1 1 1 1													NaOH: N	3	
Temperature (°C):	8 .6	0.90	Y	hermomete	1D	ปละเ									Ì				MeOH: M	8	
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Sample Custody Se	als: Yes No	ALA I	Total Contai	ners:		10	e E3	. 07	14po	TX1095									lab,	freceived	by 4:30pm
Sample Ide	ntification	Matrix	Date Sampled	Time Sampled	Depth	Number Code	Chloride	BTEX 8021	TPH Modified	K1 Hd1									Sa	npie Co	nments
T.T. VIQU	f!	50:)	10-30-20		4	1	d	K	X				1								
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	d(s) and Metal(s)				PLP 6010: 8R													-	1631 / 245.		
Notice: Signature of this	document and relinquis	hment of sa																			
of service. Xenco will be of Xenco. A minimum cl	Nable only for the cost	of samples a	and shall not ass	unce any respo	nsibility for any loss	es or er	oenses	incurre	d by the	ckient if	such losses :	eve due to c	incume	tances (a	evond th	control	in an				
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Work Order No: U76595

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Released to Imaging: 9/3/2021 2:36:00 PM



71 to 81 spsq

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Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I	Acceptable Temperature Range: 0 - 6 degC							
Date/ Time Received: 11.02.2020 11.00.00 AM	Air and Metal samples Acceptable Range: Ambient							
Work Order #: 676595	Temperature Measuring device used : IR-8							
Sample Recei	pt 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?	Νο							
#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: Bitter Tal Brianna Teel

Date: 11.02.2020

Checklist reviewed by: Jessica Kramer

Date: 11.03.2020



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	12/11/2020		Sampling Date:	12/10/2020
Reported:	12/15/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Jodi Henson
Project Location:	NEW MEXICO			

Sample ID: V 13' (H003238-01)

BTEX 8021B	mg/	/kg	Analyze	d 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 BTEX	3.18	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.9	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 whatscever 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 whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name: ETC						BILL TO							ANALYSIS REQUEST												
Project Manage	r: Denn	Elicion							P.0). #:										T					
Address:									Co	mpa	any:														
City:		State:	Zip	:					Att	n:															
Phone #:		Fax #:							Ade	dres	ss:														
Project #:		Project Owner	:						Cit	y:															
Project Name:	Z-B								Sta	ite:		;	Zip:												
Project Location	n:								Phe	one	#:														
Sampler Name:									Fax	¢#:															
FOR LAB USE ONLY					-	M/	TRI	X		PRE	SE	RV.	SAMP	LING	1										
Lab I.D.	Sample	I.D.	- (G)RAB OR (C)OMP	/#CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE 12 (0 2)	TIME 1(:= 0 S _N	7	- Tray Earl	- 07cc.								
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ensiyees. All claims includi service. In no event shall C	nd Demages. Cerdinal's liability and ing those for negligance and any off ardinal be liable for incidental or co ng out of or related to the performa y :	her cause whatsoever shall be d insequential damages, including ince of services hereunder by Co Date: [2] (14] [20]	without ardinal	t limite , reger	id unles idon, bu	is made sinces i f whethe	in writ derrug	ing and tions, l claim	as of	ved by use, o id upo	Cardi r loss	nal with of prot	thin 30 days effor the incurred by cli above stated real	completion of the	he applica ries, se. ISUIT:	O Yes				none # I addre					
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 4 of 4



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	12/11/2020		Sampling Date:	12/10/2020
Reported:	12/15/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Jodi Henson
Project Location:	NEW MEXICO			

Sample ID: V 15' (H003239-01)

BTEX 8021B	mg/	′kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.7	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 whatscever 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 whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ETC Project Manager: Dem Etinsen						BILL TO								ANALYS	IS REQUES	ST			
Project Manage	r: Dem Ec.	-Seal						P.0	. #:	-									
Address:								Con	npa	ny:									
City:	ity: State: Zip:							Attr	1:										
Phone #:	Fax #:							Add	ires	s:									
Project #:	Project C	wner:						City	1:	-			1						
Project Name:	Z-B					-		Stat	te:		Zip:								
Project Location	n:							Pho	one	#:			1						
Sampler Name:								Fax	#:				1						
FOR LAB USE ONLY			T		M/	TRI	X		PRE	SERV	SAM	PLING	1						
Lab I.D. HOC3239	Sample I.D.		+ CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :		TIME	ct	Buck	ToH WA				
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Delivered By: (C Sampler - UPS - PORM-000			Q	C	ampl cool Ye		act_		P	1	(ED BY:	Turnarour Thermomet Correction	ter ID a Factor I	Mone	Standa Rush		es Yes	ple Condition served Temp. °C rected Temp. °C	

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



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/ga/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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	12/11/2020		Sampling Date:	12/10/2020
Reported:	12/15/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Jodi Henson
Project Location:	NEW MEXICO			

Sample ID: V 15.5' (H003240-01)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.5	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 whatscever 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 whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor 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.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ETC	A	Company Name: ETC Der Elicson						BILL TO ANALYS								IS	REQ	UES	T				
Project Manager: Da	en Elizson					-		P.O.	#:									T	Τ				
Address:							Company:																
City:	State: Zip:						Attn:																
Phone #:	Fax #:						Add	ress	8:														
Project #:	Project Owner	:						City	:													- 1	
Project Name: Z-B	oject Name: Z-B					State	e:		Zip:														
Project Location:								Pho	ne i	ŀ:										- 1			
Sampler Name:								Fax	#:														
FOR LAB USE ONLY				-	MA	TRD	(P	RES	SERV.	SAM	PLING											
Lab I.D. Sam	ple I.D.	. (G)RAB OR (C)OMP // # CONTAINERS GROUNDWATER WASTEWATER // SOIL		SLUDGE	Studge OTHER : ACID/BASE: OTHER : OTHER : OTHER :			TIME)//:-081	- Bich	TPH ent													
PLEASE NOTE: Liability and Damages. Cardina's liabil analyses. All claims including those for negligence and service. In no event shall Cardinal be liable for incidenta affiliates or successors arring out of or related to the per Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	any other cause whatboever shall be a if or consequental damagae, including formance of pervices hereunder by C Date: Time: Date: Time: Observed Temp. °C	ardinal Re	s weive t limits regain ceiv	rd unleer tion, bur diess of red B red B red B	whether by:	in write terrupi r such r Cor finta	ing and i ione, io claim is relation		d by C ne, or k upon a	ardinal v any of th any of th HECK	within 30 days after rollts incurred by (er completion of t client, its subsidie	the applicativies, ise. 25 sult: 5 are et S:	Ve mailed		-	Bac	teria Inta	(only)) Samp Obs		dition Temp. *	c
	Observed Temp. °C Corrected Temp. °C † Cardinal ca		S a	C	Ye	inta s	Yes No			G	ials/	Thermomet Correction	ter ID # Factor	H113 None	Rush				Yes	Obs	erved		

Received by OCD: 6/3/2021 8:05:06 AM

Page 4 of 4



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	12/11/2020		Sampling Date:	12/10/2020
Reported:	12/15/2020		Sampling Type:	Soil
Project Name:	2 - B		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Jodi Henson
Project Location:	NEW MEXICO			

Sample ID: V 10' (H003241-01)

BTEX 8021B	mg	/kg	Analyze	d 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 BTEX	19.4	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	174	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	151	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 whatscever 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 whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ETC Project Manager: Dean Erisson					Т	BILL TO					1	ANALYS	SIS	REC	QUE	ST								
Project Manager:	Dean Erican							F	2.0.	#:														
Address:								C	Company:				1											
City:	State:	Zip						Attn: Address:																
Phone #:	Fax #:																							
Project #: Project Owner: Project Name: 2-B					City:					1 /														
					State: Zip:																			
Project Location:				_				t	hon			-												
Sampler Name:		_	-					+	ax I					1										
FOR LAB USE ONLY					N	ATF	ЯX		-	-	ERV.	SAMP	PLING	1			1 1							
Lab I.D. H00324)	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	J CL	- BTW	TRY ECT								
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PLEASE NOTE: Linbility and Demagoes. Ca	ardinal's liability and client's exclusive remedy for an	y claim	n arisir	ng whe	siher be	ed in	contra	ict or	tort, she	all be	Irmited 1	to the amount pair	d by the client for	rthe										
service. In no event shell Cardinal be linble	Ilgence and any other cause vihaboever shell be d for incidential or consequential dermages, including ted to the performance of services hereunder by Cr Date: Time: Classification Date:	ardinal Ro	rega	rdiess	of whet	her su	uplion ch cla	n is t	a of use based u	, or lo pon a	ny of th	ofits incurred by d e above stated rea	tient, its subsidia asons or otherwi	vice, ise esuit: s are ei			se provid					-		
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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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

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	Sampling Date:	04/15/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	2B PIPELINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	13297	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA CO NM		

Sample ID: L NEW (H210957-01)

BTEX 8021B	mg	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.5	% 42.2-15	6						

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Celeg D. Keine

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	Sampling Date:	04/15/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	2B PIPELINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	13297	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA CO NM		

Sample ID: L NWW (H210957-02)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	344	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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	Sampling Date:	04/15/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	2B PIPELINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	13297	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA CO NM		

Sample ID: L SEW (H210957-03)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed 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	Analyze	ed 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	% 44.3-14	!4						
Surrogate: 1-Chlorooctadecane	301	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	2B PIPELINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	13297	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA CO NM		

Sample ID: L SWW (H210957-04)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS	y: 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	348	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	2B PIPELINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	13297	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA CO NM		

Sample ID: L SW (H210957-05)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.7	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	2B PIPELINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	13297	Sample Received By:	Tamara Oldaker
Project Location:	ETC - LEA CO NM		

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

BTEX 8021B	mg,	/kg	Analyze	d 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 BTEX	39.7	0.600	04/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	182	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	149	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9

	(575) 393-2326 FAX (575) 393-2476	
Company Name:	Etech Environmental & Safety Solutions, Inc.	
Project Manager	Lan Couchas	PC

Company Name	Etech Environmental & Safety Solu	tions	s, In	C.					BILL TO						ANALYSIS REQUEST													
Project Manage	r: Lance Crenshaw							F	2.0.	#:							Τ											
Address: P.O). Box 301							c	om	pan	y:	3	TC															
City: Lovingto	on State: NM	Zip	: 88	26	D			A	Attn: Dean Erisson																			
Phone #: (57	5) 396-2378 Fax #: (575) 3	96 -1	429	9				A	Address:																			
Project #: 13297 Project Owner: STC Project Name: 2B Pipeline Rulease Project Location: Lea Courty, NM Sampler Name: Metthems Griess			c	ity:								BTEX (8021B)																
			s	tate	:		Zi	p:			5M)		218			1												
Project Location	n: Lea Courty, NM							P	hor	ie #:	:				Chloride	801		802	- 1									
Sampler Name:	Metthew Orieco							F	ax	k:					ਤ	TPH (8015M)		Ă										
FOR LAB USE ONLY			Г			MAT	RIX	-	P	RES	ERV.		SAMPLI	NG		F												
Lab I.D. <i>Həlo 95</i> 7	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	ACID/RASE	ICE / COOL	OTHER :		DATE	TIME														
1	L NEW	G	1	Γ		χ			Τ	X		4	15/21	8:58	X	X		K										
2	LNWW	1	1			1				1			11	9:00	1	1		1										
3	LSEW		Ц	L										9:05						_								
4	LSWW	11	μ											9.08				11		_								
5	L SW	41	Ц	L			-	-	+	4		L		9:13			1	11	_			+	-					
6	LFL C13'	1	ľ	⊢		*	-	-	+	1	-	⊢	V	9:16	A	V	+	V		-	-	+	-+	-			1	-
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Delivered By:	y: Date: Time: : (Circle One) - Bus - Other: 119 c + † Ca	<i>±1</i>	13		Sam	Yes No	Intac Intac	t Yes No		4	(init	lais	(4		us	t	5	tra	10	h			la	b,	ho	200 y	la	ìQ.

Revision 1.0

Received by OCD: 6/3/2021 8:05:06 AM



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 1 @ 2' (H210984-01)

BTEX 8021B	mg,	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.3	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 2 @ 2' (H210984-02)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.9	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 3 @ 2' (H210984-03)

BTEX 8021B	mg/	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.1	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 4 @ 2' (H210984-04)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 5 @ 2' (H210984-05)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.3	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 6 @ 2' (H210984-06)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.1	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 7 @ 2.5' (H210984-07)

BTEX 8021B	mg/	kg	Analyze	d 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 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.1	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 8 @ 3' (H210984-08)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.4	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 9 @ 2' (H210984-09)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.7	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 10 @ 2' (H210984-10)

BTEX 8021B	mg/	′kg	Analyze	d 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 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.5	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 11 @ 2' (H210984-11)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.9	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 12B @ 3' (H210984-12)

BTEX 8021B	mg/	kg	Analyze	d 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 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 13 @ 2' (H210984-13)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 14 @ 2' (H210984-14)

BTEX 8021B	mg/	′kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 15 @ 2' (H210984-15)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.4	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 16 @ 4' (H210984-16)

BTEX 8021B	mg/	′kg	Analyze	d 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 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.9	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 17 @ 4' (H210984-17)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.6	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 18 @ 4' (H210984-18)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.2	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 19 @ 4' (H210984-19)

BTEX 8021B	mg/	/kg	Analyze	d 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	96.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	73.3	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 20 @ 4' (H210984-20)

BTEX 8021B	mg/	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 21 @ 4' (H210984-21)

BTEX 8021B	mg,	/kg	Analyze	ed 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed 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	Analyze	ed 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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	70.7	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 22 @ 4' (H210984-22)

BTEX 8021B	mg/	kg	Analyze	d 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	104 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	67.8	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 23 @ 4' (H210984-23)

BTEX 8021B	mg/	′kg	Analyze	d 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	90.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.5	% 42.2-15	6						

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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	Sampling Date:	04/15/2021
Reported:	04/21/2021	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: FL 24 @ 4' (H210984-24)

BTEX 8021B	mg/	/kg	Analyze	d 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	95.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.5	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.											BI	LL TO		-				ANA	LYSI	SR	EQU	EST			
Project Manage	r: Lance Crenshaw							P.	.0. 1														T	T	
Address: P.O). Box 301							c	omp	any	1:	E	TC												
City: Lovingto	on State: NM	Zip	: 88	260)			A	ttn:			Dean Erics	son	1									1		
Phone #: (575) 396-2378 Fax #: (575) 396-1429							A	Address:																	
Project #: 13297 Project Owner: ETC								c	ity:	-	_			1									1		
Project Name: 2B Pipeline Release									tate:	-		Zip:			(W)	BTEX (8021B)									
Project Location: Rural Lea County, NM									hone					Chloride	TPH (8015M)	802									
Sampler Name: Matthew Grieco and Tyler Griffin									ax #					읚	H (8	X									
FOR LAB USE ONLY MATTRIX										ESE	RV.	SAMPL	NG	° I	TP	BT									
Lab I.D. Haiogs4	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
1	FL1 @ 2'	C	1	Г		X			Г	X		4/15/21		X	X	X									
2	FL2 @ 2'	С	1			X				X		4/15/21		X	X	X									
3	FL3 @ 2'	С	1			X			T	X		4/15/21		X	X	X									
4	FL4 @ 2'	C	1			X			Т	X		4/15/21		X	X	X									
5	FL5 @ 2'	C	1			X				X		4/15/21		X	X	X									
5	FL6 @ 2'	С	1			X				X		4/15/21		X	X	X									
1	FL7 @ 2.5'	С	1			X				X		4/15/21		X	X	X									
8	FL8 @ 3'	С	1			X				X		4/15/21		X	X	X									
9	FL9 @ 2'	С	1			X				X		4/15/21		Х	X	X									
	FL10 @ 2'	С	1			X				X		4/15/21		X	X	X									
analyses. All claims includ service. In no event shall C affiliates or successors and Relinquished B Relinquished B Delivered By	The Time: 30	deemi g witho Cardina Re Re	d waik at limit i, rega cei	ved unitation, landers	By: By: Sam	ade in wi ss intern	ning = plions th clair (AL) ondi	ition	colved I of use, ased up	or los	dinal w s of pr y of the	difinition 30 days with other incurred by (a above stated re- stated re- sta	er completion of t client, its subsidie	he applicat ries, so. esult: it: S:	□ Ye	es [No No	Add'l	Phone Fax #						

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.								BILL TO									ANA	LYS	IS R	EQU	EST			
Project Manage	r: Lance Crenshaw							P.O.	#:						T	T	T		T	T	T			
Address: P.C	0. Box 301							Com	npan	y:	E	тс												
City: Lovingto	on State: NM	Zip	: 88	260				Attn: Dean Ericsson									1							
Phone #: (57	ne #: (575) 396-2378 Fax #: (575) 396-1429								ress	:														
Project #: 132	ect #: 13297 Project Owner: ETC								:						-		4							
OD Disalias Delasas								Stat	e:		Zip:			TPH (8015M)	BTEX (8021B)									1
Project Location: Rural Lea County, NM								Pho	ne #				Chloride	801	80									
Sampler Name: Matthew Grieco and Tyler Griffin								Fax					Ē	H	X			1						
FOR LAB USE ONLY								P	RES	ERV.	SAMPL	ING	1	E	B									
Lab I.D. <i>H210 984</i>	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL	OTHER :	DATE	TIME												
11	FL11 @ 2'	С	1			x			X		4/15/21		X	X	X									
	FL12B @ 3'	С	1			x			X		4/15/21		X	X	X									
	FL13 @ 2'	С	1			X			X		4/15/21		X	X	X									
14	FL14 @ 2'	С	1			X			X		4/15/21		X	X	X	-	-	-		-		-	_	
15	FL15 @ 2'	С	1			X			X		4/15/21		X	X	X	-					_		-	-
14	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	-	-	-	-	-	-	+	-	-
+8	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'	С	1		_	X			X		4/15/21		X	X	X			1						-
analyses. All claims includ	nd Damages. Cardinal's liability and client's exclusive remedy for a ing increase for negligence and any other cause whatsoever shall be	deeme	d weiv	red unle		le in wri	ing and	receive	d by Ca	ectional v	within 30 days afte	er completion of t	he applicat	ble										
Relinquished B Relinquished B Delivered By	- hr 1111430	Re		ved	By: By: By: By:		nditie	on		HECK		client, lis subsidie metons or otherwine Phone Re Fax Resu REMARK	esuit: it: S:	P Ye	25	No No	Add	'l Phor 'l Fax f	¥:					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.										2	1	BII	LL TO	1	ANALYSIS REQUEST											
Project Manager: Lance Crenshaw). #				_								T	T			٦
Address: P.O. Box 301										mpa	any:	:	E	тс												
ity: Lovington		State: NM Zip: 88260							Att	n:			Dean Erics	son												
Phone #: (575) 396-2378 Fax #: (575) 396-1429							Ad	dre	ss:	_																
Project #: 13297 Project Owner: ETC								Cit	y:							=										
Project Name: 2B Pipeline Release								Sta	te:			Zip:		9	5M	218							1			
roject Location:	Rural Lea County, N	М							Ph	one	#:				Chloride	TPH (8015M)	(8021B)									
ampler Name: N	latthew Grieco and Tyle	er Griffin							Fax	c #:					Ъ.	H	BTEX									
FOR LAB USE ONLY	-				-	MA	TRI	X	-	PRI	ESE	RV.	SAMPLI	NG		F	6									
Lab I.D.	Sample I.I	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
21 1	L21 @ 4'		С	1		X					Х		4/15/21	1	X	X	X									
22 F	L22 @ 4'		С	1		X	-				X		4/15/21		X	X	X			-	-	-	-	-		
	L23 @ 4'		С	1		X	-	-	-		X	_	4/15/21		X	X	X	-	-	+	-	+	+		-	_
24	L24 @ 4'		C	1		X		+			X		4/15/21		X	X	X		-	1	+	+	+	-	-	
										-																_
					-+	+	+	-	-	-		-			-	-	-	-	-	-	-	-	+	+-	+	-
	Demages. Cardinal's liability and client those for negligence and any other ca															tile	-	-		-	-	-	-	-	-	-
vice. In no event shall Can liates or successors arising	tinal be liable for incidental or conseque out of or related to the performance of	ental damages, including f services hereunder by C	willion	t fireita rega	diess of	siness in whethe	NIDITU II SUCÌ	ptions,	loss of	1996, 0	or loss	of pro	allts incurred by one above stated re	client, its subsidia asons or otherwi	nies, se.											
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Revision 1.0



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager


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)

BTEX 8021B	mg/	/kg	Analyze	d 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 BTEX	<0.300	0.300	04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.3	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: NW2 (H210994-02)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.2	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: NW3 (H210994-03)

BTEX 8021B	mg/	′kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.3	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: NW4 (H210994-04)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: NW5 (H210994-05)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.5	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: EW1 (H210994-06)

BTEX 8021B	mg,	/kg	Analyze	d 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	98.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.4	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: EW2 (H210994-07)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: WW1 (H210994-08)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.3	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: WW2 (H210994-09)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: WW3 (H210994-10)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: SW1 (H210994-11)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: SW2 (H210994-12)

BTEX 8021B	mg/	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: SW3 (H210994-13)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: SW4 (H210994-14)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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: L FL CENTER @11' (H210994-15)

BTEX 8021B	mg,	/kg	Analyze	d 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	al BTEX <0.300 0.300		04/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	e: Etech Environmental & Safety So	lution	s, In	C.					-	8/	LL TO		2			ANALVEIS
Project Manage	er: Lance Crenshaw						P	.0.	#:				T	T	TT	ANALYSIS REQUEST
Address: P.C	D. Box 301						c	om	pany	:	E	TC	1	1		
City: Lovingt	on State: NM	Zip	: 88	260			A	ttn:			Dean Erica	sson		1		
Phone #: (57	75) 396-2378 Fax #: (575	396-	1429)			A	ddr	ess:				1			
Project #: 132	297 Project Ow	er:	ET	C			c	ity:								
Project Name:	2B Pipeline Release						-	tate	:		Zip:			Ŵ	<u> </u>	
Project Locatio	n: Rural Lea County, NM								e #:				in the second	TPH (8015M)	802	
Sampler Name:							-	ax #					Chloride	H (8)	BTEX (8021B)	
FOR LAB USE ONLY		T	T		MA	TRIX	-	PF	RESE	RV.	SAMPL	ING	1	TP	BT	
Lab I.D. Haio994	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	Solt	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME				
1	NW1	С	1		X				X		4/16/21		X	X	X	
	NW2	C	-		X		-	1	X		4/16/21		X	X	X	
3	NW3	C	-		X		_		X		4/16/21		х	X	X	
	NW4	C	-		X		+	1	X	-	4/16/21		X	X	X	
	NVV5	C	-	\vdash	X	-+	-	+	X	+	4/16/21		X	X	X	
	EW1	C	-		X	++		+	X	+	4/16/21		X	Х	x	
states in successive in the successive states where the su	EW2	C	-		X		+	+	X	+	4/16/21		X	X	X	
	WW1	c	-	++	X	++		╀	X	+	4/16/21		X	X	X	
	WW2	C	-		X	+	+	╀	X	+	4/16/21		X	X	X	
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PLEASE NOTE: Liability as analyses. All claims includi service. In no event shall C	WW3 nd Dameges. Cardinal's liability and client's exclusive remedy in ing those for negligence and any other cause whatsoever shall cardinal be liable for incidental or consequential damages, inclu- ing out of or related to the performance of services hereunder V: Date: Time: Tome: Tome: Time	c any cla be dearn ding with by Cardina R R	1 im arisi ed walk out limit al, rega ecel	red unless ation, busi	X r based made in ness int whether V:	n writing erruptio	and red ns, loss	of use,	X by Cardin, or loss	nal with of profi	4/16/21 the amount paid in 30 days after its incurred by cl above stated area	completion of the ient, its subsidiarie isons or otherwise Phone Res Fax Result REMARKS	X he applicables, tuit: :	X Yes Yes	X No	Add'I Fax #:
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Page 18 of 19

Received by OCD: 6/3/2021 8:05:06 AM

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198 of 235

Company Nam	e: Etech Environmental & Safety So	utions	s, In	C.			T	22	222	BIL	LTO	CHA	-			_	_									
Project Manag	er: Lance Crenshaw						1	P.O.	#:				-	-	-	_	A	NAL	Y	SIS	-					
Address: P.	O. Box 301						0	Com	pan	y:		ETC	-	1				T		T			RE	QUES	ST	
City: Loving	ton State: NM	Zip	: 88	260			-	Attn	and the second second		Dean En	and the second se	-							1				T	T	
Phone #: (57	75) 396-2378 Fax #: (575)	396-1	429	1			A	dd	ress:				1	1										1	1	
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	2B Pipeline Release						S	tate	e:	Z	ip:		1.	Î	á	6										
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and party on the first lands on these in the land of the second	SW3	C	1	-+-	X	+	+-		X	-	/16/21		x	X	X	1	+	+	_				+	-		
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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 <a href="https://www.tceq.texas.gov/field/ga/lab_accred_certif.html">www.tceq.texas.gov/field/ga/lab_accred_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



# 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	Sampling Date:	04/21/2021
Reported:	04/26/2021	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: FL 12C @ 4' (H211034-01)

Chloride, SM4500Cl-B mg/kg			Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.5	% 38.9-14	2						

# Sample ID: FL 14B @ 3' (H211034-03)

Chloride, SM4500CI-B	mg/	′kg	Analyze	d 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	

## **Cardinal Laboratories**

## *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: LWW1 (H211034-04)

BTEX 8021B	mg/	kg	Analyze	d 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	99.6	% 69.9-14	0						
Chloride, SM4500Cl-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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.1	% 38.9-14	2						

## Cardinal Laboratories

## *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: LNW1 (H211034-05)

BTEX 8021B	mg/	′kg	Analyze	d 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	99.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.6	% 38.9-14	2						

## Cardinal Laboratories

## *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: LEW1 (H211034-06)

BTEX 8021B	mg/	/kg	Analyze	d 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	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.1	% 38.9-14	2						

## Cardinal Laboratories

## *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: LSW2 (H211034-07)

BTEX 8021B	mg,	/kg	Analyze	d 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	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.8	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: LFL @ 13' - 2 (H211034-08)

BTEX 8021B	mg/	′kg	Analyze	d 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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.8	% 38.9-14	2						

#### Cardinal Laboratories

## *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: LFL @ 13' - 3 (H211034-09)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 BTEX	13.9	0.300	04/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	187	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	960	16.0	04/26/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	149	% 38.9-14	2						

#### Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: LFL @ 13' - 4 (H211034-10)

BTEX 8021B	mg/	′kg	Analyze	d 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 BTEX	6.41	0.300	04/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	147 9	% 69.9-14	10						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	122 9	% 38.9-14	12						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: FL 25 @ 2.5' (H211034-11)

BTEX 8021B	mg/	kg	Analyze	d 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	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.3	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: FL 26 @ 3' (H211034-12)

BTEX 8021B	mg,	/kg	Analyze	d 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	99.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: FL 27 @ 3' (H211034-13)

BTEX 8021B	mg,	/kg	Analyze	d 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	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: FL 28 @ 4' (H211034-14)

BTEX 8021B	mg/	/kg	Analyze	d 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	99.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: FL 29 @ 4' (H211034-15)

BTEX 8021B	mg,	/kg	Analyze	d 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	99.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: FL 30 @ 4' (H211034-16)

BTEX 8021B	mg,	/kg	Analyze	d 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	97.3	% 69.9-14	0						
Chloride, SM4500Cl-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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: NW 6 (H211034-17)

BTEX 8021B	mg	′kg	Analyze	d 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	99.8	% 69.9-14	0						
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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# 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	Sampling Date:	04/20/2021
Reported:	04/26/2021	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: NW 7 (H211034-18)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# **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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager
# **RDINAL LABORATORIES**

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name: Etech Environmental & Safety Solutions, Inc.					BILL TO									ANA	LYSI	S R	EQUE	ST					
Project Manage	r: Lance Crenshaw							Ρ.	0. 1	k													
Address: P.C	). Box 301							Co	omp	any:	E	TC											
City: Lovingt	on State: NM	Zip	o: 88	3260	0			At	tn:		Dean Eric	sson	1										
Phone #: (57	5) 396-2378 Fax #: (575)	396-	142	9				Ad	idre	SS:			1										
Project #: 132	97 Project Own	er:	E	ГС				Ci	ty:				1							1			
Project Name:	2B Pipeline Release							1	ate:		Zip:			(W)	<b>1B</b>								
Project Locatio	n: Rural Lea County, NM				-				none				Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name:	Tyler Griffin	-		-					x #:				1 N	H (8	X				1				
FOR LAB USE ONLY		T	Г	Г	N	ATR	IX	1	-	ESERV.	SAMPL	ING	ľ	E I	E E					1			
Lab I.D. H211034	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME											
	FL12C @ 4'	С	1			X				X	4/21/20	1	X										
2	FL13B @ 3'	С	1			X	1			X	4/21/20			X						1		-	L
3	FL14B @ 3'	С	1			X				X	4/21/20		X										
4	LWW1	С	1			X				X	4/20/21		X	X	X				-				L
5	LNW1	С	1			X				X	4/20/21	1	X	X	X								
6	LEW1	C	1			X				X	4/20/21		X	X	X								L
7	LSW2	С		⊢	+ +	X	-	1	⊢	X	4/20/21	-	X	X	X			-		-			L
8	LFL @ 13' - 2	C	1			X		-	L	X	4/20/21		X	X	X								L
9	LFL @ 13' - 3	С	1	-	+ +	X	-			X	4/20/21		X	X	X				-		-		L
10	LFL @ 13' - 4 nd Damages. Cardinal's liability and client's exclusive remedy for	С	1		1	X				X	4/20/21		X	X	X								
analyses, All claims includi service. In no event shall C affiliates or succeptors ans Relinquished Br Relinquished Br Delivered By:	ng those for negligence and any other cause whatsoever shall be archinel be linkite for incidential or consequential damages, including out of or related to the performance of services hereunder by the performance of services hereunder by the performance of services hereunder by the performance of services hereunder by the	e deema ng witho Cardina Re	ed veili ut timil al, rega ecei	ved unitation, i andless ved ved	iess ma busines s of whet By: By: Samp Cool	de in wr s interru her suc	ting ar ptions, th claim ondificant	tion	ived b f use,	y Cardinal w or loss of pr	this 30 days all offs incurred by a above stated re by ED BY: ials)	er completion of th client, its subeiding	he applica ries, se. sult: lt: S:	□ Ye □ Ye	<u>s</u>	No No	Add'l	Phone Fax #:				 	

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# Page 218 of 235 E ARDINAL LABORATORIES

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 20

-						
	101	East	Marlan	d, Hobb	s, NN	88240

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

Company Name: Etech Environmental & Safety Solutions, Inc.									BI	LL TO					ANALYSIS REQUEST									
Project Manage	r: Lance Crenshaw							Ρ.	0.1	k														
Address: P.O	. Box 301							Co	omp	any:	E	тс												
City: Lovingto	: Lovington State: NM Zip: 88260										Dean Erics	sson												
Phone #: (575	5) 396-2378 Fax	x #: (575) 3	96-1	429				A	idre	ess:														
Project #: 132	97 Pro	oject Owner	r:	ET	С			Ci	ty:				1											
Project Name:	2B Pipeline Release				-				ate:		Zip:			(WS	18									
Project Location	n: Rural Lea County, NM							P	non	e #:			Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name:	Tyler Griffin				-	_			x #				Ť	H	X									
FOR LAB USE ONLY						MAT	RIX		-	ESERV.	SAMPL	ING	Ĩ		Ha									
Lab I.D. H211034	Sample I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME												
11	FL 25 @ 2.5'		С	1		X				X	4/20/21		X	X	X									
12	FL 26 @ 3'		С	1		X				X	4/20/21		X	X	X									
13	FL 27 @ 3'		С	1		X				X	4/20/21		X	X	X									
	FL 28 @ 4'		С	1		X		-		X	4/20/21		X	X	X									
15	FL 29 @ 4'		С	1		X	-		L	X	4/20/21		X	X	X				-					
14	FL 30 @ 4' NW6		С	1		X				X	4/20/21		X	X	X									
17	NW6		C	1		X	-	-		X	4/20/21		X	X	X		-							
18	NW7		С	1		X	_	-	⊢	X	4/20/21		X	X	X		-		-	-		$\vdash$	_	
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analyses. All claims includi service. In no event shall Ci affiliates or successors arisi Relinquished By Relinquished By Delivered By:	d Damages. Cardinal's liability and client's exc g those for negligance and smy other cause w arclinal be liable for incidental or consequential go out of or related to the performance of serv I: Date of the service of the service of the service I: Date of the service of the service of the service I: Date of the service of the service of the service I: Date of the service of the service of the service I: Date of the service of the service of the service I: Date of the service of the service of the service of the service I: Date of the service of the servi	halsoever shall be damages, including ces hereunder by C fe ² 2-Z/ ne: 4445 te: ne:	deeme wilhou ardinal	d waiv at limita 1, rega	ed universition, busin rdiess of v ved B ved B	made in ness inte whether s Y: Y: Y: mple bol Yes	Conc	and records, loss of ann is bar difference of the second s	eived b of use,	crices of process of p	dihin 30 days after offits incurred by	er complation of it client, its subsidia	he applica ries, <u>se</u> ssult: It: S:	C Ye	is 🗆	No No	Add'l							



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 <a href="https://www.tceq.texas.gov/field/ga/lab_accred_certif.html">www.tceq.texas.gov/field/ga/lab_accred_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### 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	Sampling Date:	04/23/2021
Reported:	04/28/2021	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: NW 1B (H211043-01)

TPH 8015M	mg/	kg	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.4	% 38.9-14	2						

#### Sample ID: WW 2B (H211043-02)

TPH 8015M	mg/	kg	Analyze	d 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 %	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110 %	<i>38.9-14</i>	2						

#### **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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### 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	Sampling Date:	04/23/2021
Reported:	04/28/2021	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: SW 2B (H211043-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.1	% 38.9-14	2						

#### 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 whatscever 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 whose 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.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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

#### **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 whatscever 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 whose 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 whose share there applied by the services arise 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# ARDINAL LABORATORIES

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

101 East Marland, Hobbs, NM 88240

Company Name: Etech Environmental & Safety Solutions, Inc.							T			BI	LL TO	-					ANAL	YSIS	RE	QUE	ST				
Project Manager:	Larce 1	Crenshau	/					1	P.O.	#:															
Address: P.O. B									Com	pan	y:	8TC													
City: Lovington		State: NM	Zip	: 88	260			_			-	Eric	Kson												
Phone #: (575) 3	one #: (575) 396-2378 Fax #: (575) 396-1429							Addr																	
Project #: 13	297	Project Owner		8	E 7	-0			City:							-									
Project Name:	297 2-B P.peki	e						-	State			Zip:		0	EM)	218									
Project Location:			-						Phon	e #:				Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name: /	David Rob	irson						-	Fax 1					Chi	H	EX									
FOR LAB USE ONLY						MA	TRD	_	-	-	ERV.	SAMPLI	NG		F	BT									
Lab I.D. <i>H211043</i>	Sample I.	.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL		SLUDGE	OTHER : ACID/BASE	_	14	DATE	TIME												
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Page 223 of 235



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 <a href="https://www.tceq.texas.gov/field/ga/lab_accred_certif.html">www.tceq.texas.gov/field/ga/lab_accred_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### 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	Sampling Date:	04/26/2021
Reported:	04/28/2021	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: FL 31 @ 4' (H211054-01)

BTEX 8021B	mg/	/kg	Analyze	d 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	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.5	% 38.9-14	2						

#### Cardinal Laboratories

#### *=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### 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	Sampling Date:	04/26/2021
Reported:	04/28/2021	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: SW 5D (H211054-02)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.5	% 38.9-14	2						

#### Cardinal Laboratories

#### *=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 whatscever 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 whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor 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.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(8021B)

BTEX

TPH (8015M)

Chloride

ANALYSIS REQUEST

Page 5 of 5

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 BILL TO Etech Environmental & Safety Solutions, Inc. Company Name: **Project Manager:** P.O. #: Crenshaw anco ETC Address: P.O. Box 301 Company: Lovington State: NM Zip: 88260 Dean Zrician City: Attn: (575) 396-2378 Fax #: (575) 396-1429 Phone #: Address: Project #: 3297 **Project Owner:** City: 2 Pipeline Release **Project Name:** B State: Zip: Project Location: Recal Cen Co. NM Phone #: Sampler Name: Matthew Brills Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING G)RAB OR (C)OMP SROUNDWATER CONTAINERS VASTEWATER Lab I.D. Sample I.D. ACID/BASE CE / COOI SLUDGE OTHER : DTHER SOIL H211054 E DATE TIME 4/26/21 10:58 4 1 3 C X 4/26 11:03 5 C 1 X 120 7

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**Sample Condition** 

Yes Yes

No I No

Cool Intact

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#//2

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

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

CHECKED BY:

FORM-006 Revision 1.0



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 <a href="https://www.tceq.texas.gov/field/qa/lab_accred_certif.html">www.tceq.texas.gov/field/qa/lab_accred_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### 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	Sampling Date:	04/26/2021
Reported:	04/27/2021	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: NW 6 B (H211059-01)

TPH 8015M	mg/	'kg	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.8	% 38.9-14	2						

#### Sample ID: LFL @ 13.5' - 3 (H211059-02)

TPH 8015M	mg/	kg	Analyze	d 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 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.5 %	% 38.9-14	2						

#### **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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### 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	Sampling Date:	04/26/2021
Reported:	04/27/2021	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: LFL @ 13.5' - 4 (H211059-03)

TPH 8015M	mg/	kg	Analyze	d 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.7	% 38.9-14	12						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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

#### Cardinal Laboratories

#### *=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# ARDINAL LABORATORIES

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

101 East Marland, Hobbs, NM 88240

Company Name: Etech Environmental & S	BILL TO		ANALYSIS REQUEST	
Project Manager: Lance Crensh	10-2	P.O. #:		
Address: P.O. Box 301		Company: ETC		
City: Lovington Stat	e: NM Zip: 88260	Attn: Dean Ericson		
Phone #: (575) 396-2378 Fax	#: (575) 396-1429	Address:		
Project #: /329 % Proj	City:			
Project Name: 2 B Pipeline R	State: Zip:	6 (W)		
Project Name: 2 B Pipeline R Project Location: Runni Les Co. Sampler Name: David Robinstory	NM	Phone #:	Chloride TPH (8015M) BTEX (8021B)	
Sampler Name: Davit Lobinston	Robinson	Fax #:	E H E	
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: OTHER : DITHER :		
I NWGB	CI X	X 4/26/21 12:54	X	
2 LFLC13.5'-3	CI X	X 4/26/21 13:08	X	
3 LFL @ 13.5'-4	CI X	X 4/26/21 13:12	X	
PLEASE NOTE: Liability and Darmages. Cardina's liability and client's each analyses. All claims including those for negligence and any other cause who service. In no event shall Cardinal be liable for incidental or consequential di fillates or successors arriving out of or releted to the performance of service Relinquished By: Relinquished By: Relinquished By: Date	tsoever shall be deemed waived unless made in writin mages, including without limitation, business interruptio	and received by Cardinal within 30 days after completion of th ns, loss of use, or loss of profile incurred by client, its subsidiar	na applicable rina, na. suit: Yes it: Yes	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4,10	Sample Con Cool Inter	t (initials)	mail results to pm	@etechenv.com.

**Revision 1.0** 

Received by OCD: 6/3/2021 8:05:06 AM

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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: Caroly Barele Que	Date: 413/21	
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: <u>Robert Hamlet</u> Date: <u>9/3/2021</u>

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

Operator:	OGRID:
ETC Texas Pipeline, Ltd.	371183
8111 Westchester Drive	Action Number:
Dallas, TX 75225	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

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Action 30463