**Received by OCD: 6/11/2021 9:43:45 AM** Form C-141 State of New Mexico

Oil Conservation Division

	1 uge 1 0j 2.
Incident ID	nAPP2111733548
District RP	
Facility ID	
Application ID	

Page 1 of 218

### 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>105</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 <b>not</b> 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 <sup>1</sup>/<sub>2</sub>-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 Mex		Incident ID	nAPP211173354
Page 4	Oil Conservation Di	vision	District RP	
			Facility ID	
			Application ID	
	e of a C-141 report does not relieve the op			h or the environment. In ederal, state, or local laws
addition, OCD acceptanc and/or regulations. Printed Name: <u>Caroly</u>	e of a C-141 report does not relieve the op	perator of responsibility for		
and/or regulations. Printed Name: Caroly	e of a C-141 report does not relieve the op m Blackaller	perator of responsibility for Title: <u>Sr. Env</u>	r compliance with any other f	
and/or regulations. Printed Name: Caroly Signature: Caroly	e of a C-141 report does not relieve the op	Title: Sr. Env Date:	r compliance with any other f	
and/or regulations. Printed Name: Caroly Signature: Caroly	re of a C-141 report does not relieve the op	Title: Sr. Env Date:	vironmental Specialist	

*Bage 3 of 218 Soft 200* Form C-141

State of New Mexico Oil Conservation Division

Incident ID	nAPP2111733548
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: Carolyn Barto Con	Date: Colular
email: Carolyn.Blackaller@energytransfer.com	Telephone: (432)203-8290
2	
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by:	Date:06/08/2022
Printed Name: Jennifer Nobui	Title: Environmental Specialist A

# Remediation Summary & Soil Closure Request

### ETC Texas Pipeline, Ltd. Trunk M Pipeline Release

Lea County, New Mexico Unit Letter "H", Section 1, Township 23 South, Range 36 East Latitude 32.336808 North, Longitude 103.211151 West NMOCD Reference No. nAPP2111733548

Prepared By:

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

l Lowry

Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

### **TABLE OF CONTENTS**

Section

PROJECT INFORMATION	1.0
SITE CHARACTERIZATION	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE	3.0
REMEDIATION ACTIVITIES SUMMARY	4.0
RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN	5.0
SOIL CLOSURE REQUEST	6.0
LIMITATIONS	7 <b>.0</b>
DISTRIBUTION	8.0

### FIGURES

Figure 1 - Topographic Map Figure 2 - Aerial Proximity Map Figure 3 - Site & Sample Location Map

### TABLES

Table 1 - Concentrations of BTEX, TPH & Chloride in Soil

### APPENDICES

- Appendix A Depth to Groundwater Information
- 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 Trunk M Pipeline Release (henceforth, "Site"). Details of the release are summarized below:

atitude:	32.3	36808	Longitude		-103.211151			
		Provide	ed GPS are in WGS84 for					
ite Name:	Trunk M F	ipeline Release	Site Type:	T	ank Battery			
ate Release Dise	covered:	4/13/2021	API # (if appl	icable):	N/A			
Unit Letter	Section	Township	Range	County	Т			
"H"	123S36ELea							
urface Owner:	State	Federal Tribal	X Private (Na	ame Stra	in-King Ranch, LLC			
		Nature an	nd Volume of	Release				
Crude Oil	Volum	e Released (bbls)		Volume Recove	red (bbls)			
Produced W	ater Volum	e Released (bbls)		Volume Recove	Volume Recovered (bbls)			
		oncentration of total on the produced water		Yes	No N/A			
Condensate	Volum	e Released (bbls)		Volume Recove	Volume Recovered (bbls)			
X Natural Gas	Volum	e Released (Mcf)	65.8	Volume Recovered (Mcf) 0				
X Other (descr Pipeline lic		e/Weight Released (bbls)	30.6	Volume/Weight	Recovered (bbls) 5			
Cause of Release The release was		prrosion of the line se	egment.					
		In	nitial Response					
X The source of	f the release ha	s been stopped.						
X The impacted	d area has been	secured to protect hun	nan health and the e	environment.				
X Release mate	erials have been	contained via the use	of berms or dikes, a	absorbent pad, or othe	r containment devices			
X All free liqui	ds and recovera	ble materials have bee	en removed and mai	naged appropriately.				

### 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 halfmile 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?	105'
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	Constituent Laboratory Analytical Method			
	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600	
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100	
105'	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 **REMEDIATION ACTIVITIES SUMMARY**

On May 6, 2021, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and a Hach Quantab® 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 applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard. Based on laboratory analytical results and field screens, the excavation was subdivided into three (3) sections: the Main Excavation, a subsection adjacent to a DCP pipeline north of the Site (DCP Pipeline Subsection), and a subsection at/near the point of release (Release Point Subsection).

On May 7, 2021, Etech collected 29 confirmation soil samples (EW 1, EW 2, EW 3, SW 1, SW 2, and FL 1 @ 2' through FL 24 @ 2') from the sidewalls and floor of the Main Excavation. The soil samples were submitted to a certified commericial 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 each of the submitted soil samples.

On May 11, 2021, Etech collected 29 confirmation soil samples (FL 25 @ 2' through FL 53 @ 1') from the floor of the Main Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 12, 2021, Etech collected two (2) confirmation soil samples (BH 1 @ 12' and BH 2 @ 12') from the floor of the Release Point Subsection. 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 sample BH 1 @ 12'. Additional excavation was required in the area characterized by soil sample BH 2 @ 12'.

On May 17, 2021, Etech collected 39 confirmation soil samples (NW-1 through NW-7, EW-4, SW-3, WW-1, RSW-1, RSW-2, RSW-3, and FL-54 through FL-60, and FL-62 through FL-80) from the sidewalls and floor of the Main Excavation. Etech also collected 16 confirmation soil samples (DCP FL-1 through DCP FL-16) from the floor of the DCP Pipeline Subsection and seven (7) confirmation soil samples (FL-61 EAST, FL-61 WEST, RP NW, RP ESW-1, RP WSW-1, RP NE FL, and RP NW FL) from the sidewalls and floor of the Release Point Subsection, for a total of 62 soil samples. 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 soil samples NW-1 through NW-7, EW-4, SW-3, WW-1, RSW-1, RSW-2, RSW-3, FL-54, FL-55, FL-56, FL-60, FL-61 EAST, FL-61 WEST, FL-62, FL-64 through FL-68, FL-70, FL-72, FL-73, FL-75, FL-76, FL-77, FL-79, DCP FL-1, DCP FL-2, DCP FL-4 through DCP FL-7, DCP FL-9, DCP FL-16, RP NW, RP ESW-1, RP WSW-1, RP NE FL, and RP NW FL. Additional excavation was required in the areas characterized by soil samples FL-57, FL-58, FL-59, FL-63, FL-69, FL-71, FL-78, FL-80, DCP FL-3, DCP FL-10, DCP FL-12, DCP FL-12, DCP FL-13, DCP FL-14, and DCP FL-15.

On May 18, 2021, Etech collected three (3) confirmation soil samples (RP-ESW #2, RP-SE-FL @ 10', and RP-SW-FL @ 11') from the sidewalls and floor of the Release Point Subsection. 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 each of the submitted soil samples.

On May 19, 2021, Etech collected six (6) confirmation soil samples (SW 4, FL-81 @ 1' through FL-85 @ 1') from the south sidewall and floor of the Main Excavation and two (2) confirmation soil samples (RP-WSW #2 and RP-SSW) from the sidewalls of the Release Point Subsection. 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 each of the submitted soil samples.

On May 25, 2021, Etech collected nine (9) confirmation soil samples (FL 57 @ 2', FL 58 @ 2', FL 59 @ 2', FL 63 @ 2', FL 69 @ 2', FL 71 @ 2', FL 74 @ 2', FL 78 @ 2', and FL 80 @ 2') from the floor of the Main Excavation and eight (8) confirmation soil samples (DCP FL-3 @ 2', DCP FL-8 @ 2', DCP FL-10 @ 2', DCP FL-11 @ 2', DCP FL-12 @ 2', DCP FL-13 @ 2', DCP FL-14 @ 3', and DCP FL-15 @ 3 1/2') from the floor of the DCP Pipeline Subsection. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH 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 Main Excavation and DCP Pipeline Subsection were approximately 192 to 258 feet in length, 20 to 157 feet in width, and six (6) inches to 3.5 feet in depth. The final dimensions of the Release Point Subsection were approximately 15 feet in length, 10 feet in width, and 10 to 13 feet in depth. During the course of remediation activities, approximately 2,534 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.

### 5.0 **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.

### 6.0 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.

### 7.0 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.

### 8.0 **DISTRIBUTION**

### ETC Texas Pipeline, Ltd.

600 N. Marienfeld. St. Suite 700 Midland, TX 79701

### New Mexico Energy, Minerals and Natural Resources Department

*Oil Conservation Division, District 1 1220 South St. Francis Drive Santa Fe, NM* 87505

(Electronic Submission)

## Figure 1 Topographic Map

#### Received by OCD: 6/11/2021 9:43:45 AM



Released to Imaging: 6/8/2022 1:48:12 PM

## Figure 2 Aerial Proximity Map

Received by OCD: 6/11/2021 9:43:45 AM



Released to Imaging: 6/8/2022 1:48:12 PM

### Figure 3 Site & Sample Location Map

Received by OCD: 6/11/2021 9:43:45 AM



# Table 1Concentrations of BTEX, TPH & Chloride in Soil

Table 1											
Concentrations of BTEX, TPH, and Chloride in Soil ETC Texas Pipeline, Ltd.											
						-					
					nk M Pipe D Ref. #: n						
NMO	CD Closure C	riteria		10	50 Ster	AII 2111	733340	1,000		2,500	20,000
	Reclamation			10	50	-	-	1,000	-	100	600
TUNOCD	Iteenamation	Standard			5 8021B	-	- SW	- / 846 8015M	- Ext	100	4500 Cl
		Depth	Soil	511 01	00210	GRO		GRO +		ТРН	1300 61
Sample ID	Date	(Feet)	Status	Benzene	BTEX	GRU C <sub>6</sub> -C <sub>10</sub>	DRO C <sub>10</sub> -C <sub>28</sub>	DRO	ORO C <sub>28</sub> -C <sub>36</sub>	С <sub>6</sub> -С <sub>36</sub>	Chloride
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>28</sub> (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Main Exc	cavation		(mg/kg)			
NW-1	5/17/2021	0 - 1	In-Situ	< 0.050	< 0.300	<10.0	22.7	22.7	<10.0	22.7	16.0
NW-2	5/17/2021	0 - 3.5	In-Situ	< 0.050	< 0.300	<10.0	20.2	20.2	<10.0	20.2	32.0
NW-3	5/17/2021	0 - 3.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW-4	5/17/2021	0 - 3.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW-5	5/17/2021	0 - 2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW-6	5/17/2021		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW-7	5/17/2021	0 - 2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 1	5/7/2021	0 - 2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 2	5/7/2021	0 - 2	In-Situ	< 0.050	< 0.300	<10.0	62.5	62.5	24.3	86.8	16.0
EW 3	5/7/2021	0 - 2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW-4	5/17/2021	0 - 0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 1	5/7/2021	0 - 2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 2	5/7/2021	0 - 2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 4	5/19/2021	0 - 1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW-3	5/17/2021	0 - 1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW-1	5/17/2021	0 - 1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
RSW-1	5/17/2021	0 - 0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
RSW-2	5/17/2021		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
RSW-3	5/17/2021		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 1 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 2 @ 2'	5/7/2021 5/7/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 3 @ 2'		2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 4 @ 2'	5/7/2021 5/7/2021	2 2	In-Situ	<0.050 <0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 5 @ 2' FL 6 @ 2'	5/7/2021	2	In-Situ In-Situ	<0.030	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	16.0 <16.0
FL 0 @ 2 FL 7 @ 2'	5/7/2021	2	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 8 @ 2'	5/7/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 8 @ 2 FL 9 @ 2'	5/7/2021	2	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 10 @ 2'	5/7/2021	2	In-Situ	<0.050	<0.300	<10.0	11.1	11.1	<10.0	11.1	16.0
FL 11 @ 2'	5/7/2021	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 12 @ 2'	5/7/2021	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 13 @ 2'	5/7/2021	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 14 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	11.2	11.2	<10.0	11.2	32.0
FL 15 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	28.2	28.2	<10.0	28.2	16.0
FL 16 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	31.0	31.0	<10.0	31.0	16.0
FL 17 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 18 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 19 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 20 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 21 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

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

Red: NMOCD Reclamation Standard exceedance. Released to Imaging: 6/8/2022 1:48:12 PM

•

Concentrations of BTEX, TPIL, and CHloride in Soil           Superime Lite: Terms Pipeline, Lite: Terms Pipeline, Release terms           NMOCD Closure Criteria         10         50         -	Table 1											
Trunk M Pipeline Relaxieurs           NMOCD Relamation Standard         10         50         -         1.000         6.000           Sample ID         Date         Soil (refer)         <	Concentrations of BTEX, TPH, and Chloride in Soil											
NMOCD Reserve Criteria         10         S0         -         -         10         20,000           NMOCD Reserve Criteria         10         60         -         100         <												
NMOC D Conserve Criteria         10         50         .         .         1,000         .         2,500         20,000           MADC D Rechamation Standard         10         50         .         .         .         100         4500 C1           Sample ID         Date         Depth Status         South         Resc.ent (mg/kg)         RTEX (mg/kg)         RRO (mg/kg)						-						
NMOCD Reclamation Standard         10         50         . <th>NMO</th> <th></th> <th>witawia</th> <th></th> <th></th> <th></th> <th></th> <th>/33540</th> <th>1 000</th> <th></th> <th>2 500</th> <th>20.000</th>	NMO		witawia					/33540	1 000		2 500	20.000
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$							-	-	1,000	-	· · ·	,
	MMOCD	Reclamation	Stanuaru		-		-	- 54	- 1 846 8015M	- Fvt	100	
Sample ID         Date         Organ         State (mg/kg)         BTEX (mg/kg)         CRO (mg/kg)         DRO (mg/kg)         DRO (mg/kg) <thdrd< th="">         DRO (mg/kg)         DRO (mg/kg)<td></td><td></td><td>Donth</td><td>Seil</td><td>511 040</td><td>J 8021D</td><td>GD 0</td><td></td><td>1</td><td></td><td></td><td>4500 CI</td></thdrd<>			Donth	Seil	511 040	J 8021D	GD 0		1			4500 CI
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Sample ID	Date	-		Benzene	BTEX						Chloride
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			. ,		(mg/kg)	(mg/kg)						(mg/kg)
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 22 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	27.3		<10.0	27.3	16.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 24 @ 2'	5/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 25 @ 2'	5/11/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 26 @ 2'	5/11/2021	2	In-Situ	< 0.050	< 0.300	<10.0	10.3	10.3	<10.0	10.3	32.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 27 @ 2'	5/11/2021	2	In-Situ	< 0.050	< 0.300	<10.0	23.5	23.5	<10.0	23.5	32.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		5/11/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 29 @ 2'	5/11/2021	2	In-Situ	< 0.050	< 0.300	<10.0	11.1	11.1	<10.0	11.1	48.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 30 @ 2'	5/11/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		5/11/2021	2			< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 32 @ 2'	5/11/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		5/11/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	FL 34 @ 1'		1									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			1									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		5/11/2021	1									32.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			1									<16.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			-									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0											
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			-									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			-									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	<u> </u>											
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			_									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $												
FL-57       5/17/2021       1       Excavated       <0.050       <0.300       <10.0       80.1       80.1       23.9       104       32.0         FL 57 @ 2'       5/25/2021       2       In-Situ       -       <10.0												
FL 57 @ 2'       5/25/2021       2       In-Situ       -       <10.0       <10.0       <20.0       <10.0       <30.0       -         FL-58       5/17/2021       1       Excavated       <0.050       <0.300       <10.0       105       105       30.2       135       <16.0         FL 58 @ 2'       5/25/2021       2       In-Situ       -       <10.0       <10.0       <20.0       <10.0       <30.0       -												
FL-58         5/17/2021         1         Excavated         <0.050         <0.300         <10.0         105         105         30.2         135         <16.0           FL 58 @ 2'         5/25/2021         2         In-Situ         -         -         <10.0					-	-						-
FL 58 @ 2' 5/25/2021 2 In-Situ <10.0 <10.0 <20.0 <10.0 <30.0 -					< 0.050	< 0.300						<16.0
			-		-	-						-
					< 0.050	< 0.300						<16.0
FL 59 @ 2' 5/25/2021 2 In-Situ <10.0 <10.0 <20.0 <10.0 <30.0 -												

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

.

Table 1       Concentrations of PTEX_TPU_ and Chlorida in Sail													
Concentrations of BTEX, TPH, and Chloride in Soil ETC Texas Pipeline, Ltd.													
	Trunk M Pipeline Release												
	NMOCD Ref. #: nAPP2111733548												
NMOC	CD Closure C	ritoria		10	50 Ster	AII 2111	755540	1,000		2,500	20,000		
	Reclamation			10	50	-	-	1,000	-	100	600		
TUNIOCD	reclamation	Standard		SW 846		-	- 54	- 7 846 8015M	- Fyt	100	4500 Cl		
		Depth	Soil	511 040	00210	GRO		GRO +		701	4500 CI		
Sample ID	Date	(Feet)	Status	Benzene	BTEX	GRO C6-C10	DRO C <sub>10</sub> -C <sub>28</sub>	DRO	ORO C <sub>28</sub> -C <sub>36</sub>	ТРН С6-С36	Chloride		
		Ì,		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	$C_6-C_{28}$	(mg/kg)	(mg/kg)	(mg/kg)		
FL-60 :	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <20.0	<10.0	<30.0	<16.0		
FL-62 :	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
FL-63	5/17/2021	1	Excavated	< 0.050	< 0.300	<10.0	250	250	108	358	48.0		
FL 63 @ 2'	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	15.0	15.0	<10.0	15.0	<16.0		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	12.1	12.1	<10.0	12.1	<16.0		
FL-68 :	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0		
	5/17/2021	1	Excavated	< 0.050	< 0.300	<10.0	110	110	46.8	157	112		
	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	64.3	64.3	23.8	88.1	48.0		
	5/17/2021	1	Excavated	< 0.050	< 0.300	<10.0	137	137	69.3	206	16.0		
Ŭ	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	23.0	23.0	<10.0	23.0	<16.0		
	5/17/2021	1	Excavated	< 0.050	< 0.300	<10.0	77.4	77.4	31.5	109	<16.0		
	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	13.8	13.8	<10.0	13.8	64.0		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
	5/17/2021	1	Excavated	< 0.050	< 0.300	<10.0	140	140	34.0	174	32.0		
	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-		
	5/17/2021	1	In-Situ	< 0.050	< 0.300	<10.0	12.0	12.0	<10.0	12.0	16.0		
	5/17/2021	1	Excavated	< 0.050	< 0.300	<10.0	144	144	41.9	186	<16.0		
	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-		
	5/19/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
	5/19/2021	1	In-Situ	<0.050	<0.300	<10.0	25.0	25.0	<10.0	25.0	<16.0		
_	5/19/2021 5/19/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
	5/19/2021 5/19/2021	1	In-Situ In-Situ	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	64.9 <10.0	64.9 <20.0	27.6 <10.0	92.5 <30.0	<16.0 <16.0		
1 L-05 ( <i>u</i> 1	JI 19/2021	1	m-siu		<0.300 DCP Pipeline		×10.0	~20.0	×10.0	<u>~30.0</u>	~10.0		
DCP FL-1	5/17/2021	0.5	In-Situ	< 0.050	<0.300	<10.0	15.5	15.5	<10.0	15.5	336		
	5/17/2021	0.5	In-Situ	< 0.050	< 0.300	<10.0	14.1	14.1	<10.0	14.1	<16.0		
	5/17/2021	0.5	Excavated	< 0.050	< 0.300	<10.0	151	151	55.1	206	112		
	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-		
~	5/17/2021	0.5	In-Situ	< 0.050	< 0.300	<10.0	47.7	47.7	<10.0	47.7	400		
	5/17/2021	0.5	In-Situ	< 0.050	< 0.300	<10.0	38.0	38.0	12.8	50.8	64.0		
	5/17/2021	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0		
	5/17/2021	0.5	In-Situ	< 0.050	< 0.300	<10.0	27.0	27.0	<10.0	27.0	16.0		
	5/17/2021	0.5	Excavated	< 0.050	< 0.300	29.3	3,000	3,030	1,200	4,230	80.0		

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

Released to Imaging: 6/8/2022 1:48:12 PM

.

					Tab	le 1						
			Concen	trations o	f BTEX, 1	ГРН, and	<b>Chloride</b> i	in Soil				
ETC Texas Pipeline, Ltd.												
				Tru	nk M Pip	eline Relea	ase					
				NMOCI	D Ref. #: n	APP2111	733548					
NMO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	20,000	
NMOCD	Reclamation	Standard		10 50		-	-	100			600	
				SW 840	5 8021B		SW	846 8015M	Ext.		4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C6-C36 (mg/kg)	Chloride (mg/kg)	
DCP FL-8 @ 2'	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-	
DCP FL-9	5/17/2021	0.5	In-Situ	< 0.050	< 0.300	<10.0	68.6	68.6	<10.0	68.6	32.0	
DCP FL-10	5/17/2021	0.5	Excavated	< 0.050	< 0.300	<10.0	87.3	87.3	16.7	104	64.0	
DCP FL-10 @ 2'		2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-	
DCP FL-11	5/17/2021	0.5	Excavated	< 0.050	< 0.300	<10.0	85.7	85.7	21.3	107	176	
DCP FL-11 @ 2'	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-	
DCP FL-12	5/17/2021	0.5	Excavated	< 0.050	0.620	14.3	601	615	183	798	32.0	
DCP FL-12 @ 2'	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-	
DCP FL-13	5/17/2021	0.5	Excavated	< 0.050	< 0.300	<10.0	113	113	54.6	168	48.0	
DCP FL-13 @ 2'	5/25/2021	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-	
DCP FL-14	5/17/2021	0.5	Excavated	< 0.050	< 0.300	<10.0	322	322	111	433	48.0	
DCP FL-14 @ 3'	5/25/2021	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-	
DCP FL-15	5/17/2021	0.5	Excavated	< 0.050	< 0.300	<10.0	81.2	81.2	33.2	114	64.0	
DCP FL-15 @ 3 1/2'	5/25/2021	3.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-	
DCP FL-16	5/17/2021	0.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
	-			]	Release Point	Subsection	-	-	-	-		
BH 1 @ 12'	5/12/2021	12	In-Situ	< 0.050	5.59	36.9	250	287	25.8	313	192	
BH 2 @ 12'	5/12/2021	12	Excavated	< 0.050	0.453	14.3	1,170	1,180	265	1,450	192	
FL-61 EAST	5/17/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
FL-61 WEST	5/17/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
RP NW	5/17/2021	1 - 13	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
RP ESW-1	5/17/2021	1 - 13	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
RP-ESW #2	5/18/2021	1 - 13	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112	
RP WSW-1	5/17/2021	1 - 12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
RP-WSW #2	5/19/2021	1 - 12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208	
RP-SSW	5/19/2021	1 - 12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
RP NE FL	5/17/2021	13	In-Situ	_	_	<10.0	44.3	44.3	<10.0	44.3	368	
RP NW FL	5/17/2021	12	In-Situ	-	_	<10.0	<10.0	<20.0	<10.0	<30.0	208	
RP-SE-FL @ 10'	5/18/2021	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688	
RP-SW-FL @ 11'	5/18/2021	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528	

.

## Appendix A Depth to Groundwater Information

Received by OCD: 6/11/2021 9:43:45 AM



Released to Imaging: 6/8/2022 1:48:12 PM

Received by OCD: (			<sup>M</sup> Nev er C												ge 24 of 218
(A CLW##### in the POD suffix indicates th POD has been replaced & no longer serves a water right file.)	ocentept	aced, ned,		(1			2=NE 3 <sup>=</sup> at to large	=SW 4=S est) (1	E) NAD83 U'	TM in m	eters)			(In feet)	
		Sub-		QQQ	2										Water
POD Number	Code	basin	County	64 16 4	Sec	Tws	Rng	X		Y	Dista	anceDej	pthWell	DepthWa	ter Column
<u>CP 00390 POD1</u>		CP	LE	2 4 1	06	238	37E	669120	357911	1* 🌍		765	100		
										Averag	ge Dept	h to Wat	er:		
											Mini	mum De	pth:		
											Maxin	mum Dej	pth:		
Record Count: 1															
UTMNAD83 Ra	dius Search (in	meters	<u>):</u>												
Easting (X):	668357.56		North	ing (Y):	35791	75.39			Radius:	804.67					
*UTM location was deri	ved from PLSS	- see Helj	p												
The data is furnished by t accuracy, completeness, re								erstanding	that the OS	E/ISC ma	ke no w	varranties,	expressed	l or implied,	concerning the

4/21/21 8:03 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

vived by OCD: 6/11/20				e State Engine <b>n Summa</b>	
	<b>OD Number</b> P 00390 POD1	(quarters are 1=NW 2=NE (quarters are smallest to <b>Q64 Q16 Q4 Sec</b> 2 4 1 06	largest)	(NAD83 UTM in meters) X Y 669120 3579111* 🥌	
x Driller Licens Driller Name:		Driller Company:	UNKNOW	N	
Drill Start Da	te:	<b>Drill Finish Date:</b>		Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		<b>Estimated Yield:</b>	10 GPM
<b>Casing Size:</b>	8.00	Depth Well:	100 feet	Depth Water:	

\*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, or suitability for any particular purpose of the data.

4/21/21 8:04 AM

POINT OF DIVERSION SUMMARY

Received by OCD: 6/11/2021 9:43:45 AM



Released to Imaging: 6/8/2022 1:48:12 PM

Received by OCD: 6/11/2021 9:43:45 AM



USGS science for a changing world

National Water Information System: Web Interface

**USGS Water Resources** 

USGS Home Contact USGS Search USGS

 Data Category:
 Geographic Area:

 Groundwater
 V

United States

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 =

• 321944103114201

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 321944103114201 23S.37E.06.42231

Lea County, New Mexico Latitude 32°19'44", Longitude 103°11'42" NAD27 Land-surface elevation 3,370 feet above NAVD88 The depth of the well is 96 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1968-03-05		D	72019	89.68			1	L Z			А
1971-01-12		D	72019	89.55			1	L Z			А
1976-01-15		D	72019	90.22			1	L Z			А

		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

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-06-07 19:14:38 EDT 0.3 0.26 nadww02 USA.gov

Received by OCD: 6/11/2021 9:43:45 AM



**National Water Information System: Web Interface** 

USGS Water Resources

Page 29 of 218

✓ GO

USGS Home Contact USGS Search USGS

 Data Category:
 Geographic Area:

 Groundwater
 V

#### Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

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

#### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 321952103120701

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 321952103120701 23S.37E.06.14423

Lea County, New Mexico Latitude 32°20'06", Longitude 103°12'10" NAD27 Land-surface elevation 3,377.40 feet above NGVD29 The depth of the well is 112 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1953-12-03		D	72019	102.91			1	Z			А
1965-10-21		D	72019	105.64			3	Z			А
1968-03-05		D	72019	102.58			1	Z			А
1971-01-12		D	72019	102.38			1	Z			А
1976-01-15		D	72019	102.02			1	Z			А

#### Released to Imaging: 6/8/2022 1:48:12 PM

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								
1981-03-24		D	72019	102.42			1	Z			А
1986-03-19		D	72019	102.18			1	Z			А
1991-05-16		D	72019	103.95			1	Z			А
1996-02-22		D	72019	105.24			1	S			А

#### 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
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
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 Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-06-07 19:16:03 EDT 0.44 0.3 nadww01

USA.gov



National Water Information System: Web Interface

**USGS Water Resources** 

USGS Home Contact USGS Search USGS

 Data Category:
 Geographic Area:

 Groundwater
 V

 United States
 GO

Click forNews Bulletins

Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 321953103112401

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 321953103112401 23S.37E.05.31320

Lea County, New Mexico Latitude 32°19'53", Longitude 103°11'24" NAD27 Land-surface elevation 3,349 feet above NAVD88 This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats** 

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

Date		Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1981-	-03-24		D	72019	94.74			1	Z			

#### Received by OCD: 6/11/2021 9:43:45 AM

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-06-07 19:17:02 EDT 0.32 0.26 nadww01 USA.gov



National Water Information System: Web Interface

**USGS Water Resources** 

USGS Home Contact USGS Search USGS

 Data Category:
 Geographic Area:

 Groundwater
 V
 United States
 GO

Click forNews Bulletins

Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 321953103112402

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 321953103112402 23S.37E.05.31320 A

Lea County, New Mexico Latitude 32°19'53", Longitude 103°11'24" NAD27 Land-surface elevation 3,349 feet above NAVD88 The depth of the well is 97 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1986-03-20		D	72019	92.94			:	1 2	2		А
1991-05-16		D	72019	92.83			:	1 2			А

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-06-07 19:18:20 EDT

USA.gov

0.36 0.32 nadww02

### **Appendix B Field Data & Soil Profile Logs**



Sample Log

Date:

Trunk M Pipeline Release Project: Project Number: 14051

Latitude:

32.336808

Longitude: -103.211151

5/6/21

Sample ID	PID/Odor	Chloride Conc.	GPS
61 e. Z'	-	144	
12 02'	-	120	
L 3 @ Z'	-	NA	
L 4 @ 2'	-	120	
L5 ez'	-	144	
L 6 e 2'	-	NO	
1702		ND	
L 8 e 2'	-	ND	
1 9 @ 2'	-	ND	
1 10 0 7'	-	NN	
<u>L 11 @ 2</u>	-	ND	
L 12 e 2'	-	NN	
L 13 @ 2'	-	NA	
1402	~	NN	
L 15 @ 2'	-	NIS	
L 16 @ 2'	-	120	
1 17 02'	-	ND	
L 18 @ 2'	-	144	
L 19 e 2'	-	25	
L 20 0 Z'	-	198	
WI	-	120	
w 2	-	120	
W 3		224	
W 4	-	·····	
W 5	~		
WI	-	NQ	
W Z	-	196	
w 3	-	1	
L 21	-	163	
L 20	-	144	
L 23	-	120	
L 24	-	NIS	
L 25	-	120	
L 26	-	120	
L 27	-	NM	
L 28	-	NO	
Sample Point = SP #1 @ ## etc		Теst Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b
Floor = FL #1 etc		Refusal = SP #1 @ 4' R	Stockpile = Stockpile #1
Sidewall = SW #1 etc		Soil Intended to be Deferred = SP #1@ 4' In-Situ	GPS Sample Points, Center of Comp Are
		$\sim$	
		X	

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc


Sample Log

-11/24

ojeci	t Number: 14	051		32.336808	Longitud	-103.2(11)1
	Sample ID	PID/Odor		Chloride Conc.		GPS
L	29 e Z'	-	196			
L	30 e 2	-	120			
ĺ.	31 @ Z	-	ND			
1	32 e 2'	-	NO			
t_ L	33 e i	-	NA			
2	34 e 1'	-	ND			
L	35 e 1	-	NA			
ī	36 el'	-	ND			
L	37 e 1	-	NA			
L	38 e i	-	NA			
1	39 e 1	-	NA			
	40 e l'	-	120		10-00-00-00-00-00-00-00-00-00-00-00-00-0	
i i	41 e i		NA	adenteraliter - termer Maane-Plantapeo-teracio	**************************************	
L	42 e 1'	-	N		******	
1.	43 ei		120			
	44 @ 1'	-	144	~		
L	45 e 1'		NIS	AGAINTER AND		
hann	46 e 1		ND			
L	47 e 1'		NA			
L	48 ei	-	NS			
Ē	49 e 1'		NA			
L	50 e l'		144			
6	57 02	-	120			
	32 01	-	NS		OBCOCKED OF BUILDING	
	3) -1	-	NA			
L	54 e					
	55 e	-				
L	56 C					
	57 e			and a state of the second state		
<u> </u>	26					
<u>C</u>	59 e			201		
	60 e					
S	ample Point = SP #1 @ ## etc			Test Trench = TT #1 @ ##		Resamples= SP #1 @ Sb or SW #1
	Floor = FL #1 etc			Refusal = SP #1 @ 4'-R	0.411	Stockpile = Stockpile #1
	Sidewall = SW #1 etc		Soil Inte	ended to be Deferred = SP #1	w 4 in-situ	GPS Sample Points, Center of Comp A

## Appendix C Photographic Log

## Photographic Log









# **Appendix D Laboratory Analytical Reports**



May 12, 2021

LANCE CRENSHAW Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

**RE: TRUNK M PIPELINE** 

Enclosed are the results of analyses for samples received by the laboratory on 05/07/21 16:35.

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 1 @ 2' (H211189-01)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.1	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 2 @ 2' (H211189-02)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 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	<16.0	16.0	05/11/2021	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	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	96.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.0	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 3 @ 2' (H211189-03)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.0	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 4 @ 2' (H211189-04)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.0	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 5 @ 2' (H211189-05)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	99.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 6 @ 2' (H211189-06)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 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	<16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	97.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 7 @ 2' (H211189-07)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	99.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 8 @ 2' (H211189-08)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 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	<16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	84.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 9 @ 2' (H211189-09)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	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	<16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 10 @ 2' (H211189-10)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	11.1	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 11 @ 2' (H211189-11)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 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	<16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 12 @ 2' (H211189-12)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 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	144	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 13 @ 2' (H211189-13)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 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	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	99.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.5	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 14 @ 2' (H211189-14)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	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	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	11.2	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	96.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 15 @ 2' (H211189-15)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	28.2	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	98.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 16 @ 2' (H211189-16)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	31.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 17 @ 2' (H211189-17)

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	05/10/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.1	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 18 @ 2' (H211189-18)

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	05/11/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/11/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	99.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.6	% 38.9-14	2						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 19 @ 2' (H211189-19)

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	05/11/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/11/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/11/2021	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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	90.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 20 @ 2' (H211189-20)

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	05/11/2021	ND	2.08	104	2.00	4.95	
Toluene*	<0.050	0.050	05/11/2021	ND	2.03	101	2.00	5.41	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.98	99.0	2.00	4.79	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.93	98.8	6.00	5.11	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 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	16.0	16.0	05/11/2021	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	05/10/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105 9	38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 21 @ 2' (H211189-21)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	05/11/2021	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	05/11/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	98.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 22 @ 2' (H211189-22)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	16.0	16.0	05/11/2021	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	05/11/2021	ND	206	103	200	1.60	
DRO >C10-C28*	27.3	10.0	05/11/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 23 @ 2' (H211189-23)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	05/11/2021	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	05/11/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL 24 @ 2' (H211189-24)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	<16.0	16.0	05/11/2021	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	05/11/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	95.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.8	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: SW 1 (H211189-25)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	05/11/2021	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	05/11/2021	ND	206	103	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	208	104	200	3.23	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	95.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.4	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: SW 2 (H211189-26)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	16.0	16.0	05/11/2021	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	05/11/2021	ND	209	105	200	2.15	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	225	113	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	90.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.6	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: EW 1 (H211189-27)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	16.0	16.0	05/11/2021	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	05/11/2021	ND	209	105	200	2.15	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	225	113	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.9	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: EW 2 (H211189-28)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	16.0	16.0	05/11/2021	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	05/11/2021	ND	209	105	200	2.15	
DRO >C10-C28*	62.5	10.0	05/11/2021	ND	225	113	200	0.928	
EXT DRO >C28-C36	24.3	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	87.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.7	% 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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: EW 3 (H211189-29)

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	05/10/2021	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.50	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.11	102	6.00	6.26	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500CI-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	05/11/2021	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	05/11/2021	ND	209	105	200	2.15	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	225	113	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

.

Page 32 of 34

ARDINAL LABORATORIES

6	UT	Edi	Sτ	النبا		۱, ۱	HOI	)DS,	NIM	0024	)
		_	-		 	_					

Company Name: Etech Environmental & Safety Solu	tions, Inc.	BILL TO			ANALYSIS REQUEST	
Project Manager: Lance Crenshan		P.O. #:		TT		
Address: P.O. Box 301		Company: ETC	1			
City: Lovington State: NM	Zip: 88260	Attn: Dean Ericson	1			
Phone #: (575) 396-2378 Fax #: (575)	96-1429	Address:				
Project #: 14051 Project Owne	ETC	City:		1.1		
Project Name: Truck M Pipelin	r: ETC e	State: Zip:		<b>111</b>		
Project Location: -		Phone #:	Chloride TPH (8015M)	BTEX (8021B)		
Sampler Name: heaved Mojica		Fax #:	- old - B	X		
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING	┥╵╞			
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL					
IFLLEZ	CI X	A 5/7/21		KA		
2 FL 2 8 2'	C I ×	K 517121	K D	- A		
3 FL 3 E 2	C1 *	× 517/21	14	* ×		_
4 FL 4 C 2	CIA	x 517/21	x C	x x		
SEL 5 e 2	CIX	× 5/7/2/	-			_
4 FL 6 8 2-	CIX	~ 5/7/21		t er		
7 PC 7 e 2	C/ X	× 577/21	9	9		
8 FL 8 e 2	CI	× 5/7/2				_
9 FL 9 C 23	CIX	a 5/7/21		- 4		_
PLEASE NOTE: Linbility and Damages. Cardinal's liability and cleant's exclusive remedy for	ny claim arising whether based in contract	t or tort, shall be isnited to the amount paid by the client f		x x		
inalyses. All clasms including those for negligence and any other cause wheteover shall be ervice. In second shall Caudinal be liable for incidental or consequential damages, includin	deemed waived unless made in writing a	nd received by Cardinal within 30 days after completion of	the applicable			
filitates or successors ansing out of or related to the performance of services hereunder by			vise	Yes D No	o Add'l Phone #:	
heard Mail of Time 35	/	Fax Res REMARK	ult: 🗆	Yes I No		
heared Nhoi of 7635	Augs	a kangelle	13.			
Relinquished By: / Date:	Received By.	UT)				
Time:		Please	email resu	its to pm/a	getechenv.com.	
Delivered By: (Circle One)	Sample Condi	tion CHECKED BY:	511101111030	no to build		
Sampler - UPS - Bus - Other: 8.7C #		(Initials)				
0.167						

Page 75 of 218

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland,	Hobbs, NM 88240	

Company Name: Etech Environmental & Safety So	utions, Inc.	BILL TO		ANALYSIS REQUEST
Project Manager: Lance, Crensha	Jan	P.O. #:		
Address: P.O. Box 301		Company: ETC		
City: Lovington State: NM	Zip: 88260	Attn: Dean Ericson	1	
Phone #: (575) 396-2378 Fax #: (575)	396-1429	Address:	1	
Project #: 14057 Project Own	Br: ETC	City:	1	
Project Name: Trunk M Pipelin		State: Zip:	. Ŵ	
Project Location:	-	Phone #:	old did	803
Sampler Name: heared Maira		Fax #:	Chloride TPH (8015M)	BTEX (8021B)
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 : ACID/BASE: OTHER :		
I/FLII @	CIK	X 5714	XX	
12FL12 e	C11 .	x 517/21	XV	4
13 FL 13 C	CII «	8 5/7/21	Ka	<b>x</b>
14 FL 14 B	CIA	× 517/21	X×	*
15F2 15 C	CIA	A 5/7/21	X ×	0r
16 FL 16 R	CIA	= 5/7/21	AK	
17 PL 17 e	CIA	a 5/7/21	XX	
18 FL 12 @	CI ar	a 5/7/21	x x	
19 A 19 #	CI X	x 5/2/2/	9 *	
10 FL 20 e	CII X	× 5/7/2	xx	. ~
LEASE NOTE: Labelity and Damages. Cardinal's Bability and client's exclusive remedy to naivyees. All clasms including these for nagigence and any other cause whetherever shall ervice. In no event what Cardinals to Instel for incidental or conservational dumana, including the statement of the cardinal statement and the statement of the statem	e deemed wahred unless made is writing an	or tort, shall be imited to the amount paid by the client for I received by Cardinal willin 30 days alter completion of 6	the applicable	
Relinquished By: Relinquished By: Relinquished By: Relinquished By: Date:		s based upon any of the above stated reasons or otherware Phone Re Fax Resu REMARKS	sult: 🛛 Yo it: 🗆 Yo	
Time:   Delivered By: (Circle One)   Sampler - UPS - Bus - Other:	Sample Condit Cool Intact #/13 Yes Yes	ion CHECKED BY:	mail result	ts to pm@etechenv.com.

Released to Imaging: 6/8/2022 1:48:12 PM

Page 76 of 218

# 1 ARDINAL LABORATORIES

Page 77 of 218

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 34 of 34

 			al al l'	<b>U</b> 1 11		
101	East	Marland,	Hobbs,	NM	88240	

(575) 303-2226 EAY (575) 203-2476

Company Name: Etech Er	vironmental & Safety Solu	tions, Inc.	BILL TO				ANALYSIS REQUEST
Project Manager: Lanc	e Cresh	معمة	P.O. #:				
Address: P.O. Box 301			Company: ETC				
City: Lovington	State: NM	Zip: 88260	Attn: Dean Er	icsan			
Phone #: (575) 396-2378	Fax #: (575) 3	96-1429	Address:				
Project #: 14051	Project Owne	ETC	City:				
Project Name:	< M Dipeli		State: Zip:		N N	18)	
Project Location:			Phone #:		Chloride TPH (8015M)	BTEX (8021B)	
Sampler Name: Loon	A Adalica		Fax #:		94 (8) H	X	
FOR LAB USE ONLY	1 montos	MATRIX	PRESERV SAMPL	the second se			
Lab I.D. Sa H211189	ample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER : ACID/BASE: OTHER : OTHER :	TIME			
21 FL 2	1 8 2	CIX	K Fliphi		AR	- ~	
artil 2	2 e 2'	CIX	R 5/2/21	4	A	A	
23 FL 2	3 6 2	CIA	× 517/2		r a	K	
mel -	y e 2'	CIX	5/2/2/	•			
25 5~1	1	CIA	* 5/7/21		x x	R	
265WZ		CIA	× 5/2/21		R R	*	
STEWI		CIA	* 5/2/25		xx		
as EWZ		CI K	2 517/21		x X	9	
29 EW 3		CI K	0 5/1/21		xx	a	
		·					
LEASE NOTE: Lability and Damages. Cardinal naives. All claims including these for negligible move in no event shall Cardinal be listle for in filtutes or successors arising out of or related to Relinquished By:     Leo   Mo     Relinquished By:   Mo     Delivered By:   (Circle Or Sampler - UPS - Bus - Others)	e and any other cause whateover shall be identify a consequential damages, includin the performance of services hereunder by f Date: 57/7/21 Time: Date: Time: He)	deemed welved unless reads in willing a sufficient territories of whether such class ardinal, repartless of whether such class Received By: Received By: Received By: Sample Cond	nd received by Castinal within 30 days all , tone of wax, or tons of profiles incurred by in a based upon any of the above stated in	r completion of the up fami, its substitution, isons or otherwise. Phone Result Fax Result: REMARKS:	t: 🗆 Ye	s 🗆 No	Add'I Phone #: Add'I Fax #: etechenv.com.

Revision 1.0

Received by OCD: 6/11/2021 9:43:45 AM



May 14, 2021

LANCE CRENSHAW Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

**RE: TRUNK M PIPELINE** 

Enclosed are the results of analyses for samples received by the laboratory on 05/11/21 16:35.

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 35 @ 1' (H211220-01)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
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	05/14/2021	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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.9	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 36 @ 1' (H211220-02)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	32.0	16.0	05/14/2021	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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	97.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 37 @ 1' (H211220-03)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	<16.0	16.0	05/14/2021	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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.6	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 38 @ 1' (H211220-04)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	<16.0	16.0	05/14/2021	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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.0	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 39 @ 1' (H211220-05)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	32.0	16.0	05/14/2021	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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	91.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.2	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 40 @ 1' (H211220-06)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	05/14/2021	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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	90.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 41 @ 1' (H211220-07)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 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	48.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	26.2	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	88.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 42 @ 1' (H211220-08)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	87.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 43 @ 1' (H211220-09)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	65.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	62.5	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 44 @ 1' (H211220-10)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	80.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.6	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 25 @ 2' (H211220-11)

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	05/13/2021	ND	1.99	99.3	2.00	4.29	
Toluene*	<0.050	0.050	05/13/2021	ND	2.11	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.14	107	2.00	3.57	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.19	103	6.00	3.57	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	90.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.6	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 26 @ 2' (H211220-12)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	32.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	10.3	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	88.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 27 @ 2' (H211220-13)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/14/2021	ND	432	108	400	7.69	
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*	<10.0	10.0	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	23.5	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 28 @ 2' (H211220-14)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	95.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.6	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 29 @ 2' (H211220-15)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	48.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	11.1	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	87.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 30 @ 2' (H211220-16)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 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	48.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	237	119	200	2.24	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	230	115	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.6	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 31 @ 2' (H211220-17)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	64.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	92.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 32 @ 2' (H211220-18)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	48.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.6	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 33 @ 1' (H211220-19)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	88.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 34 @ 1' (H211220-20)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 45 @ 1' (H211220-21)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	85.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 46 @ 1' (H211220-22)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	32.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	11.2	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	78.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.3	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 47 @ 1' (H211220-23)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	89.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.2	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 48 @ 1' (H211220-24)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	71.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.8	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 49 @ 1' (H211220-25)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	32.0	16.0	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.0	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 50 @ 1' (H211220-26)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
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	05/14/2021	ND	432	108	400	7.69	
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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	18.1	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	78.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	82.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

# Sample ID: FL 51 @ 2' (H211220-27)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
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	05/14/2021	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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	85.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.9	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 52 @ 1' (H211220-28)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
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	05/14/2021	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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	60.3	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	88.0	% 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:	05/11/2021	Sampling Date:	05/11/2021
Reported:	05/14/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 53 @ 1' (H211220-29)

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	05/13/2021	ND	1.96	98.2	2.00	3.59	
Toluene*	<0.050	0.050	05/13/2021	ND	2.13	107	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/13/2021	ND	2.15	108	2.00	2.59	
Total Xylenes*	<0.150	0.150	05/13/2021	ND	6.26	104	6.00	3.47	
Total BTEX	<0.300	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/14/2021	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	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	85.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager
## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**RDINAL LABORATORIES** 

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2																	
Company Name: Etech Environmental & Safety Solo	tions, I	nc.			and the life	LL TO					A	NALY	SIS R	EQUE	ST		
Project Manager: hance Chenshan				P.O. 1	k:												
Address: P.O. Box 301				Comp	any:	ETC	- '										
City: Lovington State: NM	Zip: 8	8260		Attn:	Dea	n Er	icson										
Phone #: (575) 396-2378 Fax #: (575)	396-142	29		Addre	SS:												
Project #: 14051 Project Own	r. E	TC		City:													
Project Name: Trunk M Repline				State		Zip:			2W)	18					1 1	1	
Project Location:				Phone	e #:			Chloride	TPH (8015M)	BTEX (8021B)				1			
Sampler Name: Leonel Moiica				Fax #	:			Ř	H	X							
FOR LAB USE ONLY	TT	M	ATRIX	and the second second	ESERV	SAMPLI	NG		₽ I	BT							
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER	oll.	OTHER : ACID/BASE:	CE COOL OTHER :	DATE	TIME										
1 FL 35 E 1'	C	1 2		TT	×	5/11/21		x	a	x							
2 FL 36 R 1'	C	1 ,			×	5/11/21		x	st	×							
3FL 37 R 1	C	1	ĸ		×	5/11/21		x	a.	×							
4 PL 38 e1'	C	1	ĸ		K	\$/1/21		X	-	*							
SFL 39 @1'	C	1 0			×	5/1/21		x	×	a		-					
4 FL 40 el	C	1 ,	<		x	5/11/21		x	at	*							
7 R. 14/2 1'	C	1	X		X	5/1/21	_	×	x	*							
8 FL 1420 1'	C	1	x		×	5/ulz		×	У	a							
9 EL MBei	C		X		x	5/1/21		X	1	×			_	-			
10 R 144e1	C		K		or	5/11/21		4	JF.	0							
PLEASE NOTE: Liability and Damages. Cardinar's liability and client's exclusive remedy for analyses. All client's inclusive for negligence and any other cause whatsoever shall be service. In an event shall Cardinal be liable for inclusioner of any other cause whatsoever shall be service. In an event shall Cardinal be liable for inclusioner of services hereunder by Relinquished By:   Delivered By: Date:   Delivered By: Date:   Time: Time:   Delivered By: Circle One)	e deemad v ng wilhout i Cardinal, re Rec	enved unless mod sogardless of wheth eived By:	e in writing interruption er such clai	ind received s, loss of use m is based up	by Cardinal , or loss of g oon any of if	willin 30 days allo willin incurred by c	r completice of t	he applica nice, ise. issuit: it: S:		s D	No	Add'I Pho Add'I Fax	K#:				
	113	Cool Intact				tials)											

Page 109 of 218

FORM-006

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

**Revision 1.0** 

E.	ARDINAL LABORATORIES	
	101 East Marland, Hobbs, NM 88240	)

Page 110 of 218

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 33 of 34

ompany Name: Etech Environmental & Safety Solutions, Inc.									B	ILI	TO					A	NAL	YSIS	RE	QUE	ST						
Project Manager: hance C	reashow			-			P.	0. #:									T						Γ				
Address: P.O. Box 301							C	ompa	any:	F	TC																
City: Lovington	State: NM	Zip	88	260					Jean	-	Enes	14															
Phone #: (575) 396-2378	Fax #: (575) 3	96-1	429					ddres		A																	
Project #: 1405	Project Owne	r: f		TO	2		-	ity:																			
Project Name: Trunk M	Ainal	in	V				N				_	tate:		Zi	n.			Ŵ	18)								
Project Location:	Fipe	1000	C	C					4.		<b>p</b> .		Chloride	TPH (8015M)	802												
Sampler Name: Leonel N	1.12-0-						-	hone ax #:	<b>#</b> .				ੀ ਸ	1 (8	X												
FOR LAB USE ONLY	rollicat			-	MA	TRIX	1.3	-	SER	v.	SAMPLI	NG	0	TPI	BTEX (8021B)												
Lab I.D. Sample	+ I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE OTHER :	ACID/BASE:	CE) COOL	CITEN.	DATE	TIME															
1/ FL 25 C	2'	C	1		×			Π	K		lula		X	X	x								T				
12 FL 26 C	2'	C	1		×				K		Ider		a	×	x												
13 FL 27 @	2'	C	1		a				K		lular		ø	x	~								T				
14 FL 28 @	2'	C	1		×				x		tuly		×	x	or												
15 FL 29 @	2'	C	1		0				ĸ	4	Jule		×	×	×							-	T				
16 FL 30 C	2'	C	1		X				ĸ	5	tily		R	R	×												
17 FL 31 C	2'	C	1		00,				1	5	Inter		X	oc	×			-					1				
18 FL 32 C	2`	C	1		<	1			×		5/11/21		q	×	a												
19 FL 33 @	1'	Č	1		2				x	5	hi721		×	×	X						_						
20 FL 34 e	11	C	Y		1				ĸ	5	11/21		x	×	×												
nalyses. All claims including those for negligence and any o envice in no event shall Cardinal be listile for incidental or o filiates or successors arising out of or related to the perform Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	onexquental damages, include	g withou Cardinal Re	it limiti I, regai CEIN	ation, be roless o ved t	niness in <u>i whethe</u> By: <u>UUU</u> By:	e Con	dition	of use, of ased upp	chec (Ir	the ab	DBY:		nes, se. isult: It: S:	□ Ye □ Ye	S D N	0 4	dd'i F										

Received by OCD: 6/11/2021 9:43:45 AM

# CHAIN-C

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

Company Name										T		1	Bli	LL TO						ANA	YSIS	RE	QUE	ST	
Project Manage	: ha	nce	C	renstra	w	_				P	.0. 1	ŀ													
Address: P.O										C	omp	any	: 1	ETC											
City: Lovingto	n			State: NM	Zip	: 882	260				ttn:	A	PAL	A Fri	cson	1									
Phone #: (575	5) 396-23	78		Fax #: (575)	396-1	429				A	ddre	SS:	100	- Cri	wort										
Project #: 14	1051			Project Own	er:					C	City:														
Project Name: *		- 11	Í	ipeline							tate			Zip:			(W)	18)							
Project Location				ipcirce						-	hon			cop.		Chloride	TPH (8015M)	BTEX (8021B)							
Sampler Name:	-	01	11.	lica						-	ax #					Ĕ	1 1 1 1 1	X						1	
FOR LAB USE ONLY	con	EL	N LC	1104	T			MA	TRIX	_	-	ESE	RV.	SAMPL	NG		TP	18							
Lab I.D.		Samp	le I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	<b>GROUNDWATER</b> <b>WASTEWATER</b>	SOIL	OIL	SLUDGE	ACID/BASE:	ICENCOOL	OTHER :	DATE	TIME										
21	FL	45	0	1	C	1		X			Т	K		5/1/21		K	×	X							
22	FL	46	e	1"	C	1		×				K		shill		×	K	de-							
23	R	47	e	1	C	E		R				×		5/11/21		K	4	*							
24	FL	48	e	1	0	1		R				a		5/11/21		×	×	x							
25	FL	49	e	1'	C	1		×				×		3/11/21		K	de	a							
24	FL	50	e	['	C	1		K				×		5/11/21		a	"	R	-						
27	FL	51	R	2'	C	1		a				×		5/11/21		X	-	00							
28	FL	52	C	1	C	1		or				X		stiller		2	-	R							
29	FL	53	e	1	C	1	8	K			_	or		stules		a	A	~				-			
PLEASE NOTE: Liability and analyses. All claims including arrives in no event shall C arfiliates or successors arisis Relinquished B Relinquished B Delivered By Sampler - UPS	ng those for ne andheal be liabh ng out of or reli y: 	pligence and as a for incidental a ated to the perfe	ay other c or consec ormance	ause whatsoever shall i puental damages, includ	e dueme ing witho Cardins Re	ed weilw ed lievlin al, rega ecel ecel	d uniess tilon, buni diess of v ved B ved B	mude i ness ini whether V: V: V: V: v:	in weilin terrupti such of UU	g and n one, los taim is dam is ditio	s of use based u	cH	ECK (Init	dible 30 days all offic incurred by	er completion of t client, its subsidie	ho applica stes, se. esult: it: S:		is 🗆	No No	Add'l	Phone Fax #:				

Revision 1.0

Page 111 of 218



May 13, 2021

LANCE CRENSHAW Etech Environmental & Safety Solutions P.O. Box 301

Lovington, NM 88260

**RE: TRUNK M PIPELINE** 

Enclosed are the results of analyses for samples received by the laboratory on 05/12/21 15:15.

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 <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:	05/12/2021	Sampling Date:	05/12/2021
Reported:	05/13/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: BH 1 @ 12' (H211235-01)

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	05/13/2021	ND	2.01	100	2.00	3.30		
Toluene*	0.443	0.050	05/13/2021	ND	2.12	106	2.00	1.57		
Ethylbenzene*	1.30	0.050	05/13/2021	ND	2.17	109	2.00	0.363		
Total Xylenes*	3.85	0.150	05/13/2021	ND	6.29	105	6.00	1.17		
Total BTEX	5.59	0.300	05/13/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	146	% 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	192	16.0	05/13/2021	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*	36.9	10.0	05/13/2021	ND	206	103	200	0.886		
DRO >C10-C28*	250	10.0	05/13/2021	ND	183	91.7	200	0.227		
EXT DRO >C28-C36	25.8	10.0	05/13/2021	ND						
Surrogate: 1-Chlorooctane	106	% 44.3-13	3							
Surrogate: 1-Chlorooctadecane	105	% 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:	05/12/2021	Sampling Date:	05/12/2021
Reported:	05/13/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: BH 2 @ 12' (H211235-02)

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	05/13/2021	ND	2.01	100	2.00	3.30	
Toluene*	0.051	0.050	05/13/2021	ND	2.12	106	2.00	1.57	
Ethylbenzene*	0.100	0.050	05/13/2021	ND	2.17	109	2.00	0.363	
Total Xylenes*	0.303	0.150	05/13/2021	ND	6.29	105	6.00	1.17	
Total BTEX	0.453	0.300	05/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 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	192	16.0	05/13/2021	ND	400	100	400	0.00	
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*	14.3	10.0	05/13/2021	ND	206	103	200	0.886	
DRO >C10-C28*	1170	10.0	05/13/2021	ND	183	91.7	200	0.227	
EXT DRO >C28-C36	265	10.0	05/13/2021	ND					
Surrogate: 1-Chlorooctane	156 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	160 9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

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 5 of 5

Company Name										-	LL TO				-	ANAL	YSIS	REQU	EST		
Project Manage	r: hance	Crenshan						P.	0. #:												
Address: P.O	). Box 301							Co	mpa	ny: E	TC		1								
City: Lovingto	on	State: NM	Zip	: 88	260				tn:	Den	A EI	ricson									
Phone #: (57	5) 396-2378	Fax #: (575)	396-1	429					Idres	IS:	4. 0.	100.1									
Project #: 14	oject #: 14051 Project Owner: F.TC						-	City:													
		Pipeline		<i>k</i>					ate:	_	Zip:			Ŵ							
Project Location	n:	- ipen-						-	one	#:			Chloride	TPH (8015M)	BTEX (8021B)						
Sampler Name:	sampler Name: heared Majica					-	x #:				Ĕ	H (8	X								
FOR LAB USE ONLY NIATRIX							SERV	SAMPL	ING	Ĭ	₽ I	E									
Lab I.D. <u>H211235</u>		le I.D.	(G)RAB OR (C)OMP.		GROUNDWATER WASTFWATER		OIL	SLUDGE OTHER :	ACID/BASE:	ICE COOL OTHER:		TIME									
1	BHIC	12'	G	1		K				K	5/12/21		X	a	x						
2	BH2C	12'	G	1		R				x	5/12/21		æ	a	a				-	-	-
																					_
			-							_									-		_
			-			+			ŀ				<u> </u>	-							
			+				.														
			-	+		+	+								+						-
		<u></u>	+		$\vdash$		+	+					-					-+-	+		
			+			-			$\square$				-						-		-+
analyses. All claims headed service is no event shall C artifiates or successors airs Relinquished B Relinquished B Delivered By	Ing these for negligance and a cardinal be liable for landhand ing out of or related to the port V: Mo); CA V: : (Circle One) - Bus - Other:	or consequential damages, includ ormance of services horemoder b Date: Time: Date: Time: 8-86	R R	ad walk	ved B Sa Co	mple	Conce Intace	and recr s, loss o dm is bes difficient fittion (es No		Cardinal - r tass of p n say of 0 CHECI (Ini	KED BY:	Phone Re Fax Resu REMARK	as. esult: ht: S: ASV email r	result	s to pm	o Add'i F					

Page 116 of 218

Released to Imaging: 6/8/2022 1:48:12 PM



May 21, 2021

LANCE CRENSHAW Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

**RE: TRUNK M PIPELINE** 

Enclosed are the results of analyses for samples received by the laboratory on 05/18/21 8:50.

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL - 54 (H211283-01)

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	05/19/2021	ND	1.84	92.1	2.00	4.37	
Toluene*	<0.050	0.050	05/19/2021	ND	2.11	105	2.00	2.78	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	2.15	107	2.00	4.56	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	6.36	106	6.00	3.74	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	160	16.0	05/20/2021	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	05/19/2021	ND	208	104	200	8.08	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	225	113	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	71.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.6	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 55 (H211283-02)

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	05/19/2021	ND	1.84	92.1	2.00	4.37	
Toluene*	<0.050	0.050	05/19/2021	ND	2.11	105	2.00	2.78	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	2.15	107	2.00	4.56	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	6.36	106	6.00	3.74	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 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	32.0	16.0	05/20/2021	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	05/19/2021	ND	208	104	200	8.08	
DRO >C10-C28*	10.1	10.0	05/19/2021	ND	225	113	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	76.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.5	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 56 (H211283-03)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	208	104	200	8.08	
DRO >C10-C28*	18.8	10.0	05/19/2021	ND	225	113	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	70.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.4	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 57 (H211283-04)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	32.0	16.0	05/20/2021	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	05/19/2021	ND	208	104	200	8.08	
DRO >C10-C28*	80.1	10.0	05/19/2021	ND	225	113	200	4.27	
EXT DRO >C28-C36	23.9	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	68.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 58 (H211283-05)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	208	104	200	8.08	
DRO >C10-C28*	105	10.0	05/19/2021	ND	225	113	200	4.27	
EXT DRO >C28-C36	30.2	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	66.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.7	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 59 (H211283-06)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	208	104	200	8.08	
DRO >C10-C28*	95.8	10.0	05/19/2021	ND	225	113	200	4.27	
EXT DRO >C28-C36	31.8	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	61.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.6	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 60 (H211283-07)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	70.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.9	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 61 EAST (H211283-08)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	79.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.0	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 61 WEST (H211283-09)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	74.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 62 (H211283-10)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	75.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 63 (H211283-11)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	48.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	250	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	108	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	61.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	62.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 64 (H211283-12)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	73.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 65 (H211283-13)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	15.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	68.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.8	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 66 (H211283-14)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	77.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 67 (H211283-15)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	12.1	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	72.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.2	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 68 (H211283-16)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	32.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	77.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.4	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 69 (H211283-17)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	112	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	110	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	46.8	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	75.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.3	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 70 (H211283-18)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	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	48.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	64.3	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	23.8	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	70.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 71 (H211283-19)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	137	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	69.3	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	61.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 72 (H211283-20)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	77.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.3	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

## Sample ID: FL - 73 (H211283-21)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	23.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	76.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.1	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 74 (H211283-22)

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	05/19/2021	ND	1.86	93.0	2.00	6.36	
Toluene*	<0.050	0.050	05/19/2021	ND	1.90	95.1	2.00	6.16	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	6.27	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.67	94.4	6.00	6.44	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	77.4	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	31.5	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	60.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	63.0	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 75 (H211283-23)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	64.0	16.0	05/20/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	13.8	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	61.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	60.7	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 76 (H211283-24)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	32.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	75.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 77 (H211283-25)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
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	05/20/2021	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	64.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	63.9	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 78 (H211283-26)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
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	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	140	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	34.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	52.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	58.1	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 79 (H211283-27)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
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	05/20/2021	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	12.0	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	64.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	62.5	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: FL - 80 (H211283-28)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	144	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	41.9	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	57.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.5	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 1 (H211283-29)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 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	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	15.5	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	73.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.3	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 2 (H211283-30)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	14.1	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	77.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.2	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 3 (H211283-31)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	112	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	151	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	55.1	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	73.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.7	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 4 (H211283-32)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	400	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	47.7	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	76.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.4	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 5 (H211283-33)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	64.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	38.0	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	12.8	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	79.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.6	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 6 (H211283-34)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	48.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	57.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	56.3	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 7 (H211283-35)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 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	16.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	27.0	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	63.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	63.9	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 8 (H211283-36)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	0.274	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	80.0	16.0	05/20/2021	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*	29.3	10.0	05/21/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	3000	10.0	05/21/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	1200	10.0	05/21/2021	ND					
Surrogate: 1-Chlorooctane	<b>93</b> .7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	134	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 9 (H211283-37)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 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	32.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	68.6	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	67.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.4	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 10 (H211283-38)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	64.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	87.3	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	16.7	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	63.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.1	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 11 (H211283-39)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/20/2021	ND	416	104	400	0.00	
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*	<10.0	10.0	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	85.7	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	21.3	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	75.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.4	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 12 (H211283-40)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	0.141	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	0.479	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	0.620	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	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	32.0	16.0	05/20/2021	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*	14.3	10.0	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	601	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	183	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	61.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.2	% 38.9-14							

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 13 (H211283-41)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	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	48.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	113	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	54.6	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	67.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.2	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 14 (H211283-42)

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	05/20/2021	ND	1.93	96.3	2.00	5.27	
Toluene*	<0.050	0.050	05/20/2021	ND	2.23	111	2.00	7.05	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	2.29	115	2.00	7.09	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	6.70	112	6.00	6.37	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	48.0	16.0	05/20/2021	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	05/20/2021	ND	202	101	200	0.0913	
DRO >C10-C28*	322	10.0	05/20/2021	ND	181	90.3	200	0.231	
EXT DRO >C28-C36	111	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	56.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.0	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 15 (H211283-43)

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	05/19/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/19/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	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	64.0	16.0	05/20/2021	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	05/19/2021	ND	214	107	200	3.38	
DRO >C10-C28*	81.2	10.0	05/19/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	33.2	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	76.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.3	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: DCP FL - 16 (H211283-44)

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	05/19/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/19/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	32.0	16.0	05/20/2021	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	05/19/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	73.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.2	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: NW - 1 (H211283-45)

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	05/19/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/19/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	16.0	16.0	05/20/2021	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	05/19/2021	ND	214	107	200	3.38	
DRO >C10-C28*	22.7	10.0	05/19/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	73.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.7	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: NW - 2 (H211283-46)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	32.0	16.0	05/20/2021	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	05/19/2021	ND	214	107	200	3.38	
DRO >C10-C28*	20.2	10.0	05/19/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	72.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.2	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: NW - 3 (H211283-47)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	32.0	16.0	05/20/2021	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	05/19/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	73.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.9	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: NW - 4 (H211283-48)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/19/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	76.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.9	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: NW - 5 (H211283-49)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/19/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	77.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.4	% 38.9-14	2						

#### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: NW - 6 (H211283-50)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	76.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.4	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: NW - 7 (H211283-51)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	87.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.8	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: EW - 4 (H211283-52)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	69.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.5	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: SW - 3 (H211283-53)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	48.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	76.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.8	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: WW - 1 (H211283-54)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	32.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	88.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.4	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RSW - 1 (H211283-55)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	72.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.2	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RSW - 2 (H211283-56)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	78.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.0	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RSW - 3 (H211283-57)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.8	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RP WSW - 1 (H211283-58)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	71.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.4	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RP ESW - 1 (H211283-59)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/20/2021	ND	432	108	400	7.69	
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*	<10.0	10.0	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	74.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.0	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RP NW (H211283-60)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	160	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	69.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.8	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RP NW FL (H211283-61)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	208	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	74.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.5	% 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:	05/18/2021	Sampling Date:	05/17/2021
Reported:	05/21/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

### Sample ID: RP NE FL (H211283-62)

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	05/20/2021	ND	1.84	92.1	2.00	4.10	
Toluene*	<0.050	0.050	05/20/2021	ND	1.88	94.2	2.00	4.19	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.86	92.8	2.00	3.93	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.64	94.1	6.00	3.69	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	368	16.0	05/20/2021	ND	432	108	400	7.69	
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	05/20/2021	ND	214	107	200	3.38	
DRO >C10-C28*	44.3	10.0	05/20/2021	ND	220	110	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	73.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.8	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

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

Page 181 of 218

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 65 of 71

### 101 East Marland, Hobbs, NM 88240

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

Company Name: Etech Environmental & Safety So	lution	s, Ind	C.						BI	LL TO						ANA	LYSI	SR	EQU	EST			
Project Manager: Lance Crenshaw							P.O.	#:															
Address: P.O. Box 301							Con	npai	ny:	E	TC	]											
City: Lovington State: NM	Zip	: 88	260				Attn	:		Dean Erics	sson												
Phone #: (575) 396-2378 Fax #: (575	396-	1429	)				Add	ress	s:			1					1						
Project #: 14051 Project Ow	ner:	ET	C				City	:				1		_									
Project Name: Trunk M Pipeline Release							Stat	e:		Zip:		0	TPH (8015M)	BTEX (8021B)									
Project Location: Rural Lea County, NM							Pho	ne	k:			Chloride	801	(80									
Sampler Name: Joel Lowry							Fax	#:				E	H	EX					1				1
FOR LAB USE ONLY		Г		MA	TRI	X	P	RES	SERV	SAMPL	ING	1	14	B									1
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER :	DATE	TIME												
[ FL-54	С	1		X				1	X	5/17/21		X	X	X									
3 FL-55	С	1		X				1	X	5/17/21		X	Х	X									
3 FL-56	С	1		X				1	X	5/17/21		X	X	X									
4 FL-57	С	1		X				1	X	5/17/21		X	X	X					-				
5 FL-58	С	1		X				1	X	5/17/21		X	X	X					-	-			-
6 FL-59	C	1		X	-		_	1	X	5/17/21		X	X	X	_		-	-	-	+	1		-
7 FL-60	C	1		X	-			12	X	5/17/21		X	X	X	_		-	-	-	-	-	-	
FL-61 East	C	1		X	-		-	1	X	5/17/21		X	X	X	-			-	-	-	-		-
9 FL-61 West	C	1		X	-		-+	-	X	5/17/21		X	X	X	_		-	-	+	+	+	-	-
/0 FL-62	C	1		X					X	5/17/21	Id by the street for	X	X	X	_					1			
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remody analyses. All clarms including those for negligence and any other cause whatsoever sha	be deem	ed waiv	ed unle	es mede	in writ	ing and	receive	d by C	Cardinal v	within 30 days all	er completion of t	he applica	ble										
service: in no event shall Cardinal be liable for incidential or consequential damages, inci- affiliates or successors arising out of or related to the performance of services hereunder Relinquished By: Relinquished By: Date: Time: Delivered By: (Circle One)	l R	ai, rega	ved l	ef whethe	Mar such		s based					se sult: It: S:	Ye Ye Ye	s 🔲	No	Add'l	Phone Fax #:						
Sampler - UPS - Bus - Other: - 2.62 -	-	-	(			Yes No		-		ials)	x written o	hance	oe to t	75.202	2474			_			_		

Received by OCD: 6/11/2021 9:43:45 AM

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

Company Nor	(575) 393-2326 FA		_	Inc	-	_	-	-	-	-	191	LL TO		-					IVE	C DI	EQUE	TO		Page 2	
Company Name		al & Salety Solu	tions	, inc	G.		_			). #:	1.1.1	LL TO		1	T		_	ANA	LISI	SK		1		-	
Project Manage	er: Lance Crenshaw							-	-	-															
		01 1 NB.		0.0	000				Co	mpa	iny:	E	тс												
City: Lovingt		State: NM			260	_			Att	n:		Dean Erics	sson												
	5) 396-2378	Fax #: (575) 3	396-1					_	Ad	dres	SS:			1											
Project #: 140	)51	Project Owne	r:	ET	C				Cit	y:					-	6									
Project Name:	Trunk M Pipeline Releas	se							Sta	ate:		Zip:		8	TPH (8015M)	BTEX (8021B)									
Project Locatio	n: Rural Lea County, N	MM							Ph	one	#:			Chloride	80	(80									
Sampler Name:	Joel Lowry				_				Fa	x #:				5	H	<b>M</b>						1			
FOR LAB USE ONLY			Γ.	Г		M	ATR	X		PRE	SERV.	SAMPL	ING		F	6		1					1 1		
Lab I.D. Həji283	Sample I.	.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME												
11	FL-63		С	1		1	X				X	5/17/21		X	X	X	_								L
12	FL-64		С	1			x				X	5/17/21		X	X	X		-		-					L
13	FL-65		С	1			X				X	5/17/21		X	X	X									L
14	FL-66		С	1		1	X				X	5/17/21		X	X	X		_	-	-		-			L
15	FL-67		С	1			X				X	5/17/21	-	X	X	X				-	-	-	$\square$		L
14	FL-68		С	1			X				X	5/17/21		X	X	X			-	-	-	-			L
17	FL-69		С	1			X				X	5/17/21		Х	X	X			-	-	-	-			Ļ
	FL-70		С	1			X	-	-		X	5/17/21		X	X	X		-	-	-	-	-			Ļ
	FL-71		С	1			X	-			X	5/17/21		X	X	X		-	-		+		$ \rightarrow $		Ļ
	FL-72		С	1			X				X	5/17/21	id by the eligent for	X	X	X			_						L
nalyses. All claims includ	nd Damages. Cardinal's liability and clie ling those for negligence and any other c	cause whatsoever shall be	deemo	d waiv	ved unit	ess mad	de in wr	iting an	d rece	ived by	Cardinal	within 30 days af	er completion of t	he applica	ble										
filiates or successors aris	Cardinal be liable for incidental or consec sing out of or related to the performance	of services hereunder by	Cardinal	l, rega	rdless	of wheth							easons or otherwi	se.	12.14		NIC	14.1.1	Dh						_
Relinquished B		Date: 5-18-21	Re	cei	ved	<b>7</b> <sup>2</sup>				/	11	111	Phone Re Fax Resu	lt:			No No		Phone Fax #:						-
VIN	TIM	Time	1		1	AL	11	2/1	1	N	V/S	K	REMARK	S:											
Relinquished B	ly:	Date:	Re	cei	ved	By:	LAC		-6	<i>(a</i>	and a	2	1												
		Time:	1									-					-								
Delivered By	: (Circle One)	-	1			Samp	le Co	ondit	lion		CHECK	ED BY:	Please e	email I	results	s to pr	n@et	echer	IV.COP	n.					
	- Bus - Other:	~ · ·				Cool	Int	tact	-		(Init	tials)													
Onemales 1100	BELIC . ITTOOL			77	1		es	Ye	5		TC														

Page 182 of 218

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

Company Name	: Etech Environmenta	al & Safety Solu	tions	, In	C.						BI	LL TO						ANA	LYSIS	S RE	QUE	ST	ge 3
Project Manage	r: Lance Crenshaw			_					P.(	). #:												T	Т
Address: P.C	. Box 301								Co	mpa	ny:	E	TC	1									
City: Lovingto	วก	State: NM	Zip	: 88	260			_	Att			Dean Erics		1									
Phone #: (57	5) 396-2378	Fax #: (575) 3	396-1	429	)					dres	S:												
Project #: 140	51	Project Owne	10	ET	C				Cit					1									
Project Name:	Trunk M Pipeline Releas	se		-				-		te:		Zip:			Ŵ	18)							
	n: Rural Lea County, N									one	46.	zip.		Chloride	TPH (8015M)	BTEX (8021B)							
Sampler Name:				-				-	1	c #:	#.			e e	1 (8	×							
FOR LAB USE ONLY	Joon Lowry				-	M	ATR	X	га	_	SERV	SAMPL	ING	° I	1 dE	E							
Lab I.D. <i>Halla</i> 83	Sample I.	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SUL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME										
21	FL-73		С	1		1	X				X	5/17/21		X	Х	X							
22	FL-74		С	1		1	x				X	5/17/21		х	X	X							
23	FL-75		С	1		1	X				X	5/17/21		Х	X	X							
24	FL-76		С	1			X				X	5/17/21		Х	X	X							
25	FL-77		С	1		1	X				X	5/17/21		X	X	X							
26	FL-78		С	1		1	x				X	5/17/21		Х	X	X							
27	FL-79		С	1		2	x				x	5/17/21		Х	Х	Х							
28	FL-80		С	1		1	X				X	5/17/21		Х	X	X							
	DCP FL-1		С	1			x				X	5/17/21		X	Х	X							
	DCP FL-2 nd Damages. Cardinal's liability and clien		С	1		_	X			_	X	5/17/21		X	X	Х							
Relinquished B Relinquished B	(Circle One)	ause whatsoever shall be uental damages, including of services hereunder bar Date: Time: Date: Time:	Re	cei	ved l	By:	le Co	ondit	tion	U	CHECK	(ED BY: ials)	er completion of ti client, its subsidia sesons or otherwit Phone Re Fax Resu REMARK: Please e	sult: It: S:	□ Ye □ Ye	s 🗆	No No	Add'l	Phone Fax #:				

Page 183 of 218

Released to Imaging: 6/8/2022 1:48:12 PM

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(575) 393-2326 EAX (575) 393-2476

	(575) 393-2326 FAX (575) 393-2	476							_		-								_			Pa	age 4 of
Company Name	Etech Environmental & Safety Solution	ition	s, In	С.						8/	LL TO						ANA	LYSI	SR	EQU	ST		
Project Manage	r: Lance Crenshaw							P.O. 1	k:														
Address: P.O	). Box 301							Comp	bany:	:	E	тс					1						
City: Lovingto	on State: NM	Zip	: 88	260	)			Attn:			Dean Erics	son								1			
Phone #: (57	5) 396-2378 Fax #: (575)	396-	1429	9				Addre	ess:				1			1							
Project #: 140	51 Project Owne	er:	E	C				City:					1										
Project Name:	Trunk M Pipeline Release							State			Zip:			NS I	18								
Project Location	n: Rural Lea County, NM					-		Phon		-			Chloride	TPH (8015M)	(8021B)								
Sampler Name:	Joel Lowry	-						Fax #		_		-	Ĕ	E H	X								
FOR LAB USE ONLY		T	Г		M	ATRIX	_	-	ESE	RV.	SAMPL	ING	1°	₽ I	BTEX								
Lab I.D. <i>Halla83</i>	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
	DCP FL-3	С	1		)	(		Т	X		5/17/21		X	X	X								
32	DCP FL-4	С	1		)	(			X		5/17/21		х	X	X								
33	DCP FL-5	C	1		)	(			X		5/17/21		X	X	X								
34	DCP FL-6	С	1		)	(			X		5/17/21		Х	X	X								
35	DCP FL-7	С	1		)	(			X		5/17/21		X	X	X								
36	DCP FL-8	С	1		)	(			X		5/17/21		X	X	X								
	DCP FL-9	С	1		)	(			X		5/17/21		X	X	X								
	DCP FL-10	С	1		)	(			X		5/17/21		Х	X	X								
	DCP FL-11	С	1		)	(			X		5/17/21		х	X	X								
1-	DCP FL-12 nd Damages. Cardinal's liability and client's exclusive remedy for	C	<u> </u>		)				X		5/17/21		Х	X	X								
Arrice. In no event shall C Minutes or syccessors ansi Relinquished Br Relinquished Br Delivered By:	the 10850	ng willho Cardina Re	at imit al, rega ecei	ved	al wheth By: By: By: Sampl Cool	er such o 224	ions, los clarm is d i d i d i d i t i o ct Yes		cr loss con any CHE	of pro	the incurred by c above stated re		ies, se sult: it: S:	C Ye	<u>s</u> [	No No	Add'	I Phone I Fax #: nv.con					

Received by OCD: 6/11/2021 9:43:45 AM

Page 184 of 218

AL-					
		LIAD	ODAT	OP	IEC
V K	ARDINA	LLAD	URAI	UR	ES
	404 East	Blankand	Habba	<b>NIN</b> #	0024

Page 185 of 218

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 69 of 71

Page 5 of 7

101 East Marland, Hobbs, NM 88240

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

Company Name	Etech Environmenta	al & Safety Solu	tions	, Inc	C.						BI	LL TO						ANA	LYSI	S R	EQU	EST			
Project Manage	r: Lance Crenshaw								P.0	. #:															T
Address: P.O	. Box 301								Cor	npa	ny:	E	тс												
City: Lovingto	n	State: NM	Zip	: 88	260				Attr	1:		Dean Erics	ison												
Phone #: (57	5) 396-2378	Fax #: (575) 3	396-1	429	)				Add	Ires	s:			1											
Project #: 140	51	Project Owne	H.:	ET	C				City					1											L
Project Name:	Trunk M Pipeline Releas	se							Sta			Zip:			Ŵ	<b>1B</b>									
-	n: Rural Lea County, N							-		one i	æ-	zip.		Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name:								-	Fax					PH.	E (8)	X				1					
FOR LAB USE ONLY			1	Г	-	M	ATRI	X	_		SERV.	SAMPL	ING	1°	IT	BTE									
Lab I.D. Hall283	Sample I.	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME												
41	DCP FL-13		С	1		)	<				X	5/17/21		X	X	X									
42	DCP FL-14		С	1		)	< _				x	5/17/21		Х	X	X	-			-		-	-		1
43	DCP FL-15		С	1		)	<				x	5/17/21		X	X	X				-					
	DCP FL-16		С	1		)	κ				x	5/17/21		X	X	X									1
	NW-1		С	1		)	K				x	5/17/21		X	X	X								-	1
	NW-2		С	1		)	κ			_	x	5/17/21		X	X	X					-	-			+
	NW-3		С	1		)	<				X	5/17/21		X	X	X					-	-		-	+
	NW-4		С	1		)	κ				X	5/17/21		X	X	X							-		+
	NW-5		С	1		)	<				X	5/17/21		X	X	X		-		-	-	-		-	+
60	NW-6		C	1		)	-			_	X	5/17/21		X	X	X				1					
natyses. All claims includi ervice in no event shall C militates or successof arisis Relinquished Br Relinquished Br	to me	nuse whetsoever shall be uental damages, includin	deeme g withou Cardina Re	d weiv ut limit I, rega CEIV	ved unit	ess made xusiness of wheth By: By: Sampl Cool	e in well interrup er such	ing ana tions, claim	tion	ed by C ase, or d upon	Cardinal v loss of pr any of th any of th CHECK (Init	while 30 days all official incurred by a <u>e above stated re</u> <u>(ED BY:</u> iafs)	er completion of t client, its subsidia	he applica vies, se. esult: It: S:		<u>s</u>	No No	Add'l	Phone Fax #:						
Sampler - UPS	- Bus - Other:	2.60	#1	13			es E	Ye	s	-	JE	)													

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 70 of 71

	(575) 393-2326 FA	X (575) 393-247	6																						Page 6	6 of 7
Company Name	: Etech Environmenta	al & Safety Solutio	ns,	Inc				Τ		2	B	ILL	TO						ANA	LYSI	S R	EQUE	ST	_		
Project Manage	r: Lance Crenshaw							P	P.O.	#:																
Address: P.O	). Box 301							0	Com	par	ny:		Ε	тс												
City: Lovingto	on	State: NM Z	ip:	882	60			1	ttn:			Dear	n Erics	SON												
Phone #: (57	5) 396-2378	Fax #: (575) 396	5-14	29				4	ddr	ess	5:															
Project #: 140	51	Project Owner:		ET	C			d	City:																	
Project Name:	Trunk M Pipeline Relea	se			-			5	State	e:		Zip:			e	TPH (8015M)	BTEX (8021B)									
Project Location	n: Rural Lea County, N	MM						F	hor	ne il	ł:				Chloride	801	80									
Sampler Name:	Joel Lowry							F	ax	k:					-B	H	<b>X</b>									
FOR LAB USE ONLY			Τ	Т		MAT	RIX		P	RES	ERV	. S	AMPL	ING	1	1							1			
Lab I.D. <u>Hall283</u>	Sample I.	D.	~ +	# CONTAINERS	<b>GROUNDWATER</b> <b>WASTEWATER</b>	SOIL	OIL	SLUDGE	OTHEK : ACID/RASE:			D	ATE	TIME												
	NW-7		С	1		X				)	(	5/1	7/21		X	Х	X									
	EW-4		С	1		X				)	(	5/1	7/21		Х	X	Х									
53	SW-3		с	1		X				)	(	5/1	7/21		X	Х	X									
and the second se	WW-1		С	1		X				)	(	5/1	7/21		Х	X	Х									
	RSW-1		С	1		X				)	(	5/1	7/21		X	X	Х									
	RSW-2		С	1		X				)	(	5/1	7/21		X	Х	X			_						
	RSW-3		С	1		X				)	(	5/1	7/21		X	Х	X						1			
	RP WSW-1		С	1		X	_	-	+	)	(	5/1	7/21		X	Х	X				-	-	1	-		
	RP ESW-1		С	1	_	X	_	-	+	)		-	7/21		X	Х	X				-	-	-	-	-	
	RP NW nd Damages. Cardinal's liability and clief		C	1 arising	whether	X	0.000	tract or	lort sh	) all be	-	-	7/21	d by the client for	X	X	X		1	1						
analyses. All claims includi service. In no event shall C	ing those for negligence and any other c ardinal be liable for incidental or conseq ing out of or related to the performance	ause whatsoever shall be dee µvental damages, including wi	med v thout i	walve: Imitet	i uniess i ion, busir	made in ess inte	writin mupti	g and re ons, too	ceived s of use	by Ca	ardinal oss of p	within 30 wolfts incu	days aite urred by c	r completion of ti dent, its subsidiar	te applicat rice,	sie										
Relinquished B Relinquished B	the	Date: 5-18-21 Time: 850	Rec	eiv	ed By	: UA	re	20	d		a	B	K	Phone Re Fax Result REMARKS	sult: It: S:	Ye  Ye	s 🗆	No No	Add'l	Phone Fax #:						
	: (Circle One) - Bus - Other:	-2.60 4	41	3	Co	nple ol Yes No	ntad	t -	n			KED B tials)	IY:													

Received by OCD: 6/11/2021 9:43:45 AM

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

Released to Imaging: 6/8/2022 1:48:12 PM

E-					
John A	ARDINAL	LABO	ORAT	ORI	ES
	101 East	Marland.	Hobbs.	NM	8824

Page 187 of 218

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 71 of 71

0

1	(575)	393-2326	FAY	(575)	393-2476
. 1	3/3)	393-2320	FAA	(3/3)	333-24/0

	575) 393-2326 FAX (575) 393-2	476					_		_	_			_			_	_			_	_	_	Page 7
Company Name:	Etech Environmental & Safety Solu	Itions	s, In	C.						B	LL TO		_				ANA	LYS	SR	EQUI	EST		
Project Manager:	Lance Crenshaw							P.0	). #:														
Address: P.O. Bo	ox 301							Co	mpa	iny:	E	TC											
City: Lovington	State: NM	Zip	: 88	260				Att	n:		Dean Eric	sson											
Phone #: (575) 3	96-2378 Fax #: (575)	<b>396-</b> 1	1429	•				Ad	dres	s:													
Project #: 14051	Project Owne	er:	ET	C				Cit	y:				1										
Project Name: Tru	Ink M Pipeline Release							Sta	ite:		Zip:		e	TPH (8015M)	BTEX (8021B)								
Project Location:	Rural Lea County, NM							Ph	one	#:			Chloride	801	(80)								
Sampler Name: Joe	el Lowry							Fa	x #:				Ē	H	Ш								
FOR LAB USE ONLY		Т	Γ		M	ATR	X		PRE	SERV	SAMPL	ING	1	1	B								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OII	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME											
CA RP	NW FL	С	1		)	x				X	5/17/21		X	X	X								
62 RP	NE FL	С	1		)	x				X	5/17/21		X	X	X				-	-			
						-	-			-		-	-						-				
	·	+	⊢			+	+			_			-				-	+	-	-			
		+			_	+	+	$\square$		-				-	-		+	+	+	+	+		
		+	⊢		-	+	+	$\vdash$	$\vdash$	+	<u> </u>	-		-		-	+	+	+	+	+		
		╉			-	+	+	-						-		<u>+</u>	+	+	+	+	+		
		╉	⊢		-		+	$\vdash$	$\vdash$	+			+	-	-	+	+	+	+	+	+		
						+	-			-						-	1	+	+	+	1		
nalyses. All claims including the ervice. In no event shall Cardina	•	e deems ag witho Cardina Re Re	id webv ut limit d, rega ecei ecei	ved unter ation, b ridless o ved ved	ess made activess : of wheth By:	e in wei interru er such le Co , Int es L	ing an ptions, h claim	tion	ved by iuse, or ed upor	Cardinal - toos of p any of the any of the check	within 30 days aft notifis incurred by a above stated in the above stated in the above state in the above state in the above state in the above state in the above state in the abo	er completion of ti client, its subsidim	he applicat ries, se. esult: It: S:	□ Ye □ Ye	×s 🗋	No No m@et	Add	Phone Fax #					



May 19, 2021

LANCE CRENSHAW Etech Environmental & Safety Solutions P.O. Box 301

Lovington, NM 88260

**RE: TRUNK M PIPELINE** 

Enclosed are the results of analyses for samples received by the laboratory on 05/18/21 16:05.

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:	05/18/2021	Sampling Date:	05/18/2021
Reported:	05/19/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: RP - SW - FL @ 11' (H211294-01)

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	05/19/2021	ND	1.89	94.6	2.00	7.87	
Toluene*	<0.050	0.050	05/19/2021	ND	1.91	95.4	2.00	7.95	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	7.76	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.71	95.1	6.00	7.36	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	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	528	16.0	05/19/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.6	% 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:	05/18/2021	Sampling Date:	05/18/2021
Reported:	05/19/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: RP - SE - FL @ 10' (H211294-02)

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	05/19/2021	ND	1.89	94.6	2.00	7.87	
Toluene*	<0.050	0.050	05/19/2021	ND	1.91	95.4	2.00	7.95	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	7.76	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.71	95.1	6.00	7.36	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	688	16.0	05/19/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	77.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/18/2021	Sampling Date:	05/18/2021
Reported:	05/19/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: RP - ESW - #2 (H211294-03)

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	05/19/2021	ND	1.89	94.6	2.00	7.87	
Toluene*	<0.050	0.050	05/19/2021	ND	1.91	95.4	2.00	7.95	
Ethylbenzene*	<0.050	0.050	05/19/2021	ND	1.88	93.8	2.00	7.76	
Total Xylenes*	<0.150	0.150	05/19/2021	ND	5.71	95.1	6.00	7.36	
Total BTEX	<0.300	0.300	05/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	% 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	112	16.0	05/19/2021	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	05/19/2021	ND	206	103	200	5.62	
DRO >C10-C28*	<10.0	10.0	05/19/2021	ND	227	114	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	05/19/2021	ND					
Surrogate: 1-Chlorooctane	75.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez 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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solu	tions, Inc.	BILL TO	T		ANALYSIS REQUEST
Project Manager: Joel Lowry	ect Manager: Joel Lowry				
Address: P.O. Box 301		Company: ETC			
City: Lovington State: NM	Zip: 88260	Attn: Dean Encson			
Phone #: (575) 396-2378 Fax #: (575) 3	Address:				
Project #: 14051 Project Owne	ETC	City:			
Project Name: Trunk M Pipeline	-1-	State: Zip:	e W	18	
Project Location:		Phone #:	Chloride TPH (8015M)	BTEX (8021B)	
Sampler Name: hooned Monor		Fax #:	H (8)	X	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		BT	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL				
IRP-SW-FLE II	GIX	× 5/17/21	Kq	a	
1 RP-SW-FL@ 11 2 RP-SE-FL @ 10° 3 RP-ESW-#2	GI X GI X CI X	× 5/18/21	XX	a	
3 RP-ESW-#2	CIX	K 5/18/21	x x	a	
				+ +	
				+	
	┫┫┨┥┥┥┼			+ +	
				+ +	
				+ +	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for	any claim arising whether based in contra	act or tort, shall be limited to the amount paid by the client for	the		
analyses. All claims including those for negligence and any other cause wholsoever shall b service In no event shall Cardinal be liable for incidental or consequental damages, includi	deemed waived unless made in writing a	and received by Cardinal within 30 days after completion of th	ie applicable		
Attiliates or successors arising out of or related to the performance of services hereunder by       Relinquished By:       Leonel       Mojica       Relinquished By:       Date:	Cardinal, regardless of whether such clair Received By: Received By:	Phone Re Fax Resul REMARKS	sult: 0	Yes IN Yes N	
Time:		Please e		Its to pm(	@etechenv.com.
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 9.1 c	Sample Cond Cool Intact 2 Yes 7 No 1	(Initials)			

Received by OCD: 6/11/2021 9:43:45 AM

Page 6 of 6



May 20, 2021

LANCE CRENSHAW Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

**RE: TRUNK M PIPELINE** 

Enclosed are the results of analyses for samples received by the laboratory on 05/19/21 16:20.

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:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: SW 4 (H211303-01)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	83.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.7	% 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:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 85 @ 1' (H211303-02)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	83.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.6	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 84 @ 1' (H211303-03)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	64.9	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	27.6	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	80.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.0	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 83 @ 1' (H211303-04)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	84.0	44.3-13	3						
Surrogate: 1-Chlorooctadecane	82.6	% 38.9-14	<b>`</b>						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 82 @ 1' (H211303-05)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	25.0	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	76.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL - 81 @ 1' (H211303-06)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	77.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.5	% 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:	05/19/2021	Sampling Date:	05/12/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: RP - WSW - 2 (H211303-07)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	208	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	83.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	82.5	% 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:	05/19/2021	Sampling Date:	05/12/2021
Reported:	05/20/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: RP - SSW (H211303-08)

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	05/20/2021	ND	1.93	96.3	2.00	4.28	
Toluene*	<0.050	0.050	05/20/2021	ND	1.95	97.3	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/20/2021	ND	1.90	95.1	2.00	6.07	
Total Xylenes*	<0.150	0.150	05/20/2021	ND	5.77	96.1	6.00	5.79	
Total BTEX	<0.300	0.300	05/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	<16.0	16.0	05/20/2021	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	05/20/2021	ND	212	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	05/20/2021	ND	215	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	05/20/2021	ND					
Surrogate: 1-Chlorooctane	85.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.3	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez 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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 204 of 218

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

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

	mental & Safety Solu	tions	, Inc	-						BI	LL TO	100	5				AN	ALYS	IS R	REQU	EST			
Project Manager: Soel La	wry							P.O.	-															
Address: P.O. Box 301	i							Com	pan	y: 6	ETC		1											
City: Lovington	State: NM	Zip	882	260					- P.		n Éric	501	1											
Phone #: (575) 396-2378	Fax #: (575) 3	<b>396-1</b>	429						ress				1											
Project #: 14051	Project Owne	e:						City	:				1											
Project Name: Trunk M	Pipeline				_			Stat			Zip:			(WS	18									
Project Location:	19.0					-			ne #	:			Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name: heard A	lasin							Fax		-			ĬĔ	H	X									
FOR LAB USE ONLY	office	Γ			M/	ATR	IX	_	RES	ERV.	SAMPL	ING	Ť	1	BT I									
Lab I.D. Samp <i>H2(13</i> 03	le I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OII	SLUDGE	OTHER :	ACID/BASE: ICE (COOL)	OTHER :	DATE	TIME												
ISW 4		C	1		1	1			k		stalze		K		5									
ZEL 85 0	i	C	1		1				1	7	119/21		X	*	-									
3 FL 84 C		C	1		0	-			0		5/19/20		K	7	A					_				
4 PL 33 C		C	1		0					<	5/19/21		×	12	*	-							-	_
StL 82 C	and the second se	C	1			-	_		-		stigly		2	*	17	-	_	-	-	_	-	-	-	
	-1'	C	1			R	-		X	(	5/12/21		x	0	~	-	-	+	+	-	-			-+-
7 RP - WSW R	2	G	1		0	٢	-			1	5/12/21		2	V	9		-		-				-	+
8 RD - 55W		G	1			~	_		2	-	5/12/24		×	ø	12	+	-		+	-	-	-	-	+
		+		$\vdash$	-	+	-		-	+-			+	-	+	+	+	+	+	+	+	-	+	+
PLEASE NOTE: Liability and Damages, Cardinal's liability	and client's exclusive remedy for	any clair	m arisir	ng whe	ther bas	ed in d	contrac	t or tort, s	shall be	limited	to the amount pa	id by the client h	or the		-	1	-				_	_	_	_
analyses. All claims including those for negligence and an service. In no event shall Cardinal be liable for incidental o														able -										
affiliates or successors arising out of or related to the performance of the performance	Date:		cei			er suc	th claim	n 1s based		any of th	he above stated r	Phone R Fax Res REMAR	ult:			No No		l'I Phoi I'I Fax						
Relinquished By:	Time:	Re	ecel	ved	By:	a	r4	K.	U	U,	9¢					P	u	sh						
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	16.4° =	#11	3	9	Samp Cool	le Ci	ondi tact	tion	CI	(Ini	KED BY: tia <del>ls</del> )	Please	email	result	s to	om@	etecho	env.co	om.					

Received by OCD: 6/11/2021 9:43:45 AM



May 27, 2021

LANCE CRENSHAW Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

**RE: TRUNK M PIPELINE** 

Enclosed are the results of analyses for samples received by the laboratory on 05/25/21 15:15.

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 <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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: DCP FL - 3 @ 2' (H211342-01)

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	05/26/2021	ND	209	104	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	227	113	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	82.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	82.0	% 38.9-14	2						

#### Sample ID: DCP FL - 8 @ 2' (H211342-02)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	87.4 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.9 9	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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: DCP FL - 10 @ 2' (H211342-03)

TPH 8015M	mg/	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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	94.3 \$	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.4 9	% 38.9-14	2						

#### Sample ID: DCP FL - 11 @ 2' (H211342-04)

TPH 8015M	mg/l	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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	93.7%	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.6%	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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: DCP FL - 12 @ 2' (H211342-05)

TPH 8015M	mg/	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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	85.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.6	% 38.9-14	2						

#### Sample ID: DCP FL - 13 @ 2' (H211342-06)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	87.7 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.7 %	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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: DCP FL - 14 @ 3' (H211342-07)

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*	<10.0	10.0	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	92.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.5	% 38.9-14	2						

#### Sample ID: DCP FL - 15 @ 3 1/2' (H211342-08)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	89.7 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.0%	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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 57 @ 2' (H211342-09)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.8	% 38.9-14	2						

#### Sample ID: FL 58 @ 2' (H211342-10)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	88.4 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.3 %	6 38.9-14	2						

#### **Cardinal Laboratories**

\*=Accredited Analyte

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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 59 @ 2' (H211342-11)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.9	% 38.9-14	2						

#### Sample ID: FL 63 @ 2' (H211342-12)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	94.4 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.9%	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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 69 @ 2' (H211342-13)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	96.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.4	% 38.9-14	2						

#### Sample ID: FL 71 @ 2' (H211342-14)

ТРН 8015М	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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	94.1 %	44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.6 %	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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 74 @ 2' (H211342-15)

TPH 8015M mg/kg		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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	93.6 %	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.6 %	38.9-14	2						

#### Sample ID: FL 78 @ 2' (H211342-16)

трн 8015м	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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	82.2 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.3 %	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:	05/25/2021	Sampling Date:	05/25/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	TRUNK M PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	14051	Sample Received By:	Tamara Oldaker
Project Location:	ETC		

#### Sample ID: FL 80 @ 2' (H211342-17)

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	05/26/2021	ND	201	101	200	0.343	
DRO >C10-C28*	<10.0	10.0	05/26/2021	ND	218	109	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND					
Surrogate: 1-Chlorooctane	92.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.0	% 38.9-14	2						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez 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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 12 of 13

101 East Marland, Hobbs, NM 88240

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

	Environmental & Safety Solu		, inc						B	LL TO						ANA	LYSI	S RI	EQUI	EST	-	
Project Manager: Lan	ce Crangher	1					P	.0. #			_											
Address: P.O. Box 301							с	ompa	any:			7										
City: Lovington	State: NM	Zip	: 88	260			A	ttn:		ET	C											
Phone #: (575) 396-2378	1 /						A	ddres	s:			1										
Project #:	4051 Project Owne	er: 6	57	C			c	ity:				1								1		
Project Name: Trun	4051 Project Owner	re					s	tate:		Zip:		0	(WS	BTEX (8021B)			1					
Project Location:	×14 3						-	hone	#:			Chloride	TPH (8015M)	802								
Sampler Name: 1.00 ~	Marias						-	ax #:				Ř	H	X								
FOR LAB USE ONLY	10 Sile C	T			MA	TRIX		-	SERV	SAMPL	ING	Ĩ	1	BT								
Lab I.D. S	ample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE/COOL OTHER :	DATE	TIME											
1 DCP-F	1302	C	0		K			T	X	statu	1		×									
ZIDCP-F		C	0		d				K	5125/21			A									
3 MCP-F		C	C		x				k	5/25/2			20									
4 SCP-F	L 11 e Z' 12 e Z'	C	•		×				a	5/252			R									
5 DCP- FI	12 0 2.	Č.	t		٩				K	5 RSTU			A									
6 OCP- FI	. 13 e 2'	C	1						~	5 1252			K									
7 ACP-FL	14 03	C	1		-				æ	5 20 21			K									
8 NCP- FI	15 e 31/2'	C	1		K				K	57921			5	_								
9 EL S	7@2'	0	U		X				×	5 2521			ĸ									
10 FL 5	Bezi	C	1		<				4	5/2121			a									
PLEASE NOTE: Liability and Damages. Card analyses. All claims including those for noging service. In no event shull Cardinal be liable for affiliates or successors ansing out of or related Relinquished By: Delivered By: Circle C Sampler - UPS - Bus - C FORM-006	nee and any other cause whatsower shall be incidental or consequential damages, include to the performance of services hereunder by Date: Time: Date: Time: Date: Time: Date: Time:	a doerne ng willto <u>Cardina</u> Re Re	id waiw at limits d. rega aceiv	ed unless stion, but rdless of ved E	s mude invess in whethe Sy: Sy: ample ool Ye Ne		g and re one, toose taim is b dittion ct Yes No	celved by of use, of ased up	Cardinal r loss of p r loss of	within 30 days an molits incurred by	er completion of client, his substitu assons or otherware Phone Ri Fax Rest REMARK Please of	the applica artise, <u>isse</u> esult: it: S: email r	Presults	es ⊡ s to pi		Add	Phone Fax #					

Page 216 of 218

Released to Imaging: 6/8/2022 1:48:12 PM

Revision 1.0

A Company
ARDINAL LABORATORIES
(E75) 202 2200 EAV (575) 202 047

Page 13 of 13

240 76

Company Name:	Etech Environmental & Safety So	lutions	i, Inc						1	5//	LL TO	1.1				ANA	ALYSI	S R	EQUE	ST		
Project Manager:							P	.0. #	-													
Address: P.O. E							c	omp	any:	E	TC											
City: Lovington	State: NM	Zip	: 88	260			-	ttn:				-										
Phone #: (575)	396-2378 Fax #: (575)	396-	429				A	ddre	SS:											1.1		
Project #:	1405   Project Own	er:	E	TC	_		C	ity:														
	WEM Pipelin		V					tate:			Zip:			Ŵ	18)			1				
Project Location:	- Infra the	C					-	hone			<u>ан</u> р.		Chloride	TPH (8015M)	BTEX (8021B)							
	rearel Maitin						-	ax #:	_	_			िस	() () () () () () () () () () () () () (	×							
FOR LAB USE ONLY	month North	T	-	-	MA	TRIX	- Ir	-	ESE	RV.	SAMPLI	NG	0	d	STE							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	<b>GROUNDWATER</b>	SOIL	OIL	SLUDGE	ACID/BASE:	CE / COOL	OTHER :	DATE	TIME										
11 F	1 59 @ 2'	C	T		a			T	x	_	solu			7			1	1				
12 F	2 63 c Z'	C	1		=				×		5/2521			a				1	1			-
	FL 69 e 2'	C	1		or			T	K		5/25/21			K					1			
14 F	LTIRZ	C	C		a				×		5/25/21			q				T	1	1		
ISE	- 74 e 2'	C	1		a				a		5/25/21			A								
160	-L 78 e 2'	C	1		x				a		5/25/21			A				T	T			
17 1	E 80 e Z'	C	1		R				x		shall			*			T					
								T														
nalyses. All claims including t ervice. In no event shell Cardi	0	be deem sing witho by Cardina Re Re	sd weiw ut limit ecei	ed anless alice, bush rdfess of w ved B ved B ved B ved B	made i have in hether /: /: /: mple	la writin terrupti r such c	g and re one, loss laim is t	celved b s of use, ásed up	y Cardi or loss on any CHE	of pro of the		lent, is subsidin asons or otherwi Phone Re Fax Resu REMARK	nes, <u>se</u> sult: It: S:		s 🗆		1 Phon 1 Fax # NV.COI					

Page 217 of 218

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	31549
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created	Condition	Condition
By		Date
jnobui	Closure Report Approved.	6/8/2022

CONDITIONS

Action 31549