

Remediation Summary & Soil Closure Request

Mewbourne Oil Company Delaware Ranch SWD Line

Eddy County, New Mexico
Unit Letter "O", Section 11, Township 26 South, Range 28 East
Latitude 32.05209° North, Longitude 104.05617° West
NMOCD Reference No. nAPP2421554026

Prepared By:

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Ben J. Arguijo



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Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Delaware Ranch SWD Line. Details of the release are summarized below:

Location of Release Source				
Latitude: <u>32.05209°</u>		Longitude: <u>-104.05617°</u>		
Provided GPS are in WGS84 format.				
Site Name: <u>Delaware Ranch SWD Line</u>		Site Type: <u>Pipeline</u>		
Date Release Discovered: <u>7/23/2024</u>		API # (if applicable): <u>N/A</u>		
Unit Letter	Section	Township	Range	County
"O"	11	26S	28E	Eddy
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Private (Name <u>Delaware Ranch, Inc.</u>)				
Nature and Volume of Release				
<input type="checkbox"/> Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)	
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>145</u>		Volume Recovered (bbls) <u>0</u>	
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released		Volume/Weight Recovered	
Cause of Release: <u>Valve failure due to corrosion on an above ground flow line west of the Delaware Ranch SWD.</u>				
Initial Response				
<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.				

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	Direct Measurement
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 1,000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution or church?	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1,000 (ft.) and ½ (mi.)
Any other fresh water well or spring?	Between 1,000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Greater than 5 (mi.)
A wetland?	Between 1 and 5 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1,000 (ft.) and ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	Medium
A 100-year floodplain?	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Delaware Ranch SWD Line release site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on September 3, 2024, an investigative soil boring (NMOSE ID #C-04863-POD 1) was drilled nearby to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 105 feet bgs and left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment. In addition, a groundwater gauging event conducted on September 6, 2024, confirmed that the borehole was dry. The location of the investigative soil bore is depicted in Figures 2A, 2B, and 4. A drilling log and additional depth to groundwater information are provided in Appendix A.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 4.

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 Delaware Ranch SWD Line release are as listed in the table on the following page.

Closure Criteria for Soils Impacted by a Release

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

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

† 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

Requesting a remediation plan approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
On what estimated date will (or did) the remediation commence?	7/29/2024	
On what date will (or did) the final sampling or liner inspection occur?	8/16/2024	
On what date will (or was) the remediation complete(d)?	9/5/2024	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	48,825	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	7,183	
What was the total surface area (sq. ft.) that has or will be remediated?	48,825	
What was the total volume (cy) that has or will be remediated?	10,056	
This remediation utilized the following processes to remediate/reduce contaminants: (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	R360 Red Bluff Facility	
NMOCD Disposal Facility ID?	Texas	
Summarize any additional remediation activities not included by answers above.	See below	

On July 29, 2024, Etech commenced remediation activities at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided in the table on the following page.

Summary of Soil Sampling Events

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	12,400	TT 2 @ 0'	8/15/24	0	Excavated
TPH	35.4	TT 1 @ 0'	8/15/24	0	Excavated
GRO+DRO	35.4	TT 1 @ 0'	8/15/24	0	Excavated
BTEX	<0.300	All submitted soil samples	8/7, 8/8, 8/9, 8/14, 8/15 & 8/16/24	0 - 20	In-Situ & Excavated
Benzene	<0.050	All submitted soil samples	8/7, 8/8, 8/9, 8/14, 8/15 & 8/16/24	0 - 20	In-Situ & Excavated

Please reference Table 1 for additional information.

On August 7, 2024, Etech collected 54 confirmation soil samples (FL 1 @ 3' through FL 42 @ 4', NW 1 through NW 6, EW 1, EW 2, and SW 1 through SW 4) from the floor and sidewalls of the excavated area. The soil samples were submitted a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory method detection limits (MDL), with the exception of sample FL 19 @ 4', which exhibited a TPH concentration of 13.7 mg/kg. Chloride concentrations ranged from 16.0 mg/kg in soil samples FL 9 @ 4' and FL 18 @ 4' to 9,920 mg/kg in soil sample FL 29 @ 7'.

On August 8, 2024, Etech collected 44 confirmation soil samples (FL 43 @ 4' through FL 85 @ 4' and EW 2) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 64.0 mg/kg in soil samples FL 59 @ 4' and FL 65 @ 4' to 10,600 mg/kg in soil sample FL 72 @ 4'.

On August 9, 2024, Etech collected 48 confirmation soil samples (FL 86 @ 4' through FL 132 @ 4' and SW 5) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples FL 107 @ 4', FL 127 @ 4', and FL 128 @ 4' to 11,600 mg/kg in soil sample FL 131 @ 4'.

On August 14, 2024, Etech collected 41 confirmation soil samples (FL 133 @ 4' through FL 169 @ 4', NW 7, SW 6, SW 7, and SW 8) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil sample SW 6 to 11,000 mg/kg in soil sample FL 136 @ 4'.

On August 15, 2024, Etech advanced two (2) test trenches (TT 1 and TT 2) within the release margins in an effort to further investigate the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected at increments of two (2) feet and field-screened for concentrations of chloride utilizing a chloride field test kit and/or the presence of Volatile Organic Compounds utilizing olfactory/visual senses. Trench TT 1 was advanced to a total depth of approximately 20 feet bgs, and trench TT 2 was advanced to a total depth of approximately 12 feet bgs.

Based on field observations and field test data, a total of 12 delineation soil samples (TT 1 @ 0' through TT 1 @ 20' and TT 2 @ 0' through TT 2 @ 12') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results and field screens, the vertical extent of impacted soil was adequately defined and did not extend beyond 12 feet bgs in trench TT 2 or 20 feet bgs in trench TT 1.

On August 15, 2024, Etech also collected 13 confirmation soil samples (FL 170 @ 4' through FL 182 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 368 mg/kg in soil sample FL 173 @ 4' to 10,600 mg/kg in soil sample FL 175 @ 4'.

On August 16, 2024, Etech collected 39 confirmation soil samples (FL 183 @ 4' through FL 215 @ 4', NW 7, NW 8, NW 9, SW 9, WW 1, and WW 2) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 64.0 mg/kg in soil samples SW 9, WW 1, and WW 2 to 8,930 mg/kg in soil sample FL 187 @ 4'.

The final dimensions of the excavated area were approximately 380 to 394 feet in length, eight (8) to 186 feet in width, and two (2) to seven (7) feet in depth. During the course of remediation activities, Etech transported approximately 10,056 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 10,060 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

The extent of the excavated area and the locations of the confirmation soil samples and test trenches are depicted in Figure 3, "Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Requesting a remediation closure approval with this submission?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
What was the total surface area (sq. ft.) remediated?	48,825			
What was the total volume (cy) remediated?	10,056			

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request remediation closure approval be granted to the Delaware Ranch SWD Line release.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
What was the total surface area (in square feet) reclaimed?	48,825	
What was the total volume (in cubic yards) reclaimed?	7,183	

On August 23, 2024, a 5-point composite soil sample (Delaware Ranch Pit Sample) was collected from the imported material to be utilized as backfill. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations in the soil sample were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards and confirmed that the material was acceptable for use as backfill.

From August 21 through September 5, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Delaware Ranch Pit Sample) emplaced at or near original relative positions. The affected areas were contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site. The seed mix will be certified as weed-free and installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

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

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

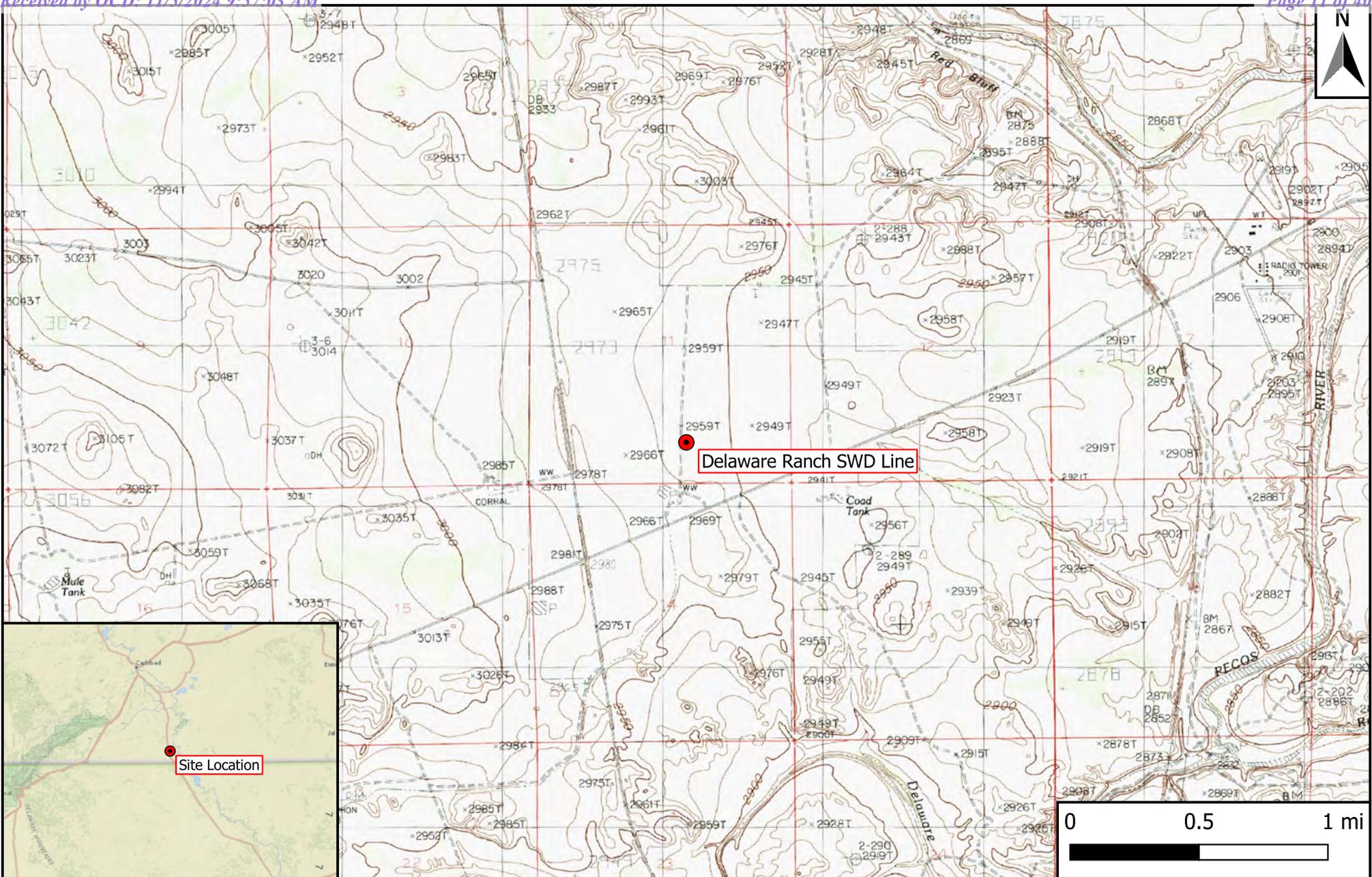
8.0 DISTRIBUTION

Mewbourne Oil Company
4801 Business Park Blvd.
Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

(Electronic Submission)

Figure 1 Site Location Map



Delaware Ranch SWD Line

Site Location



Legend
 ● Site Location

Figure 1
 Site Location Map
 Mewbourne Oil Company
 Delaware Ranch SWD Line
 GPS: 32.05209, -104.05617
 Eddy County, New Mexico



Figures 2A & 2B

Site Characterization Maps

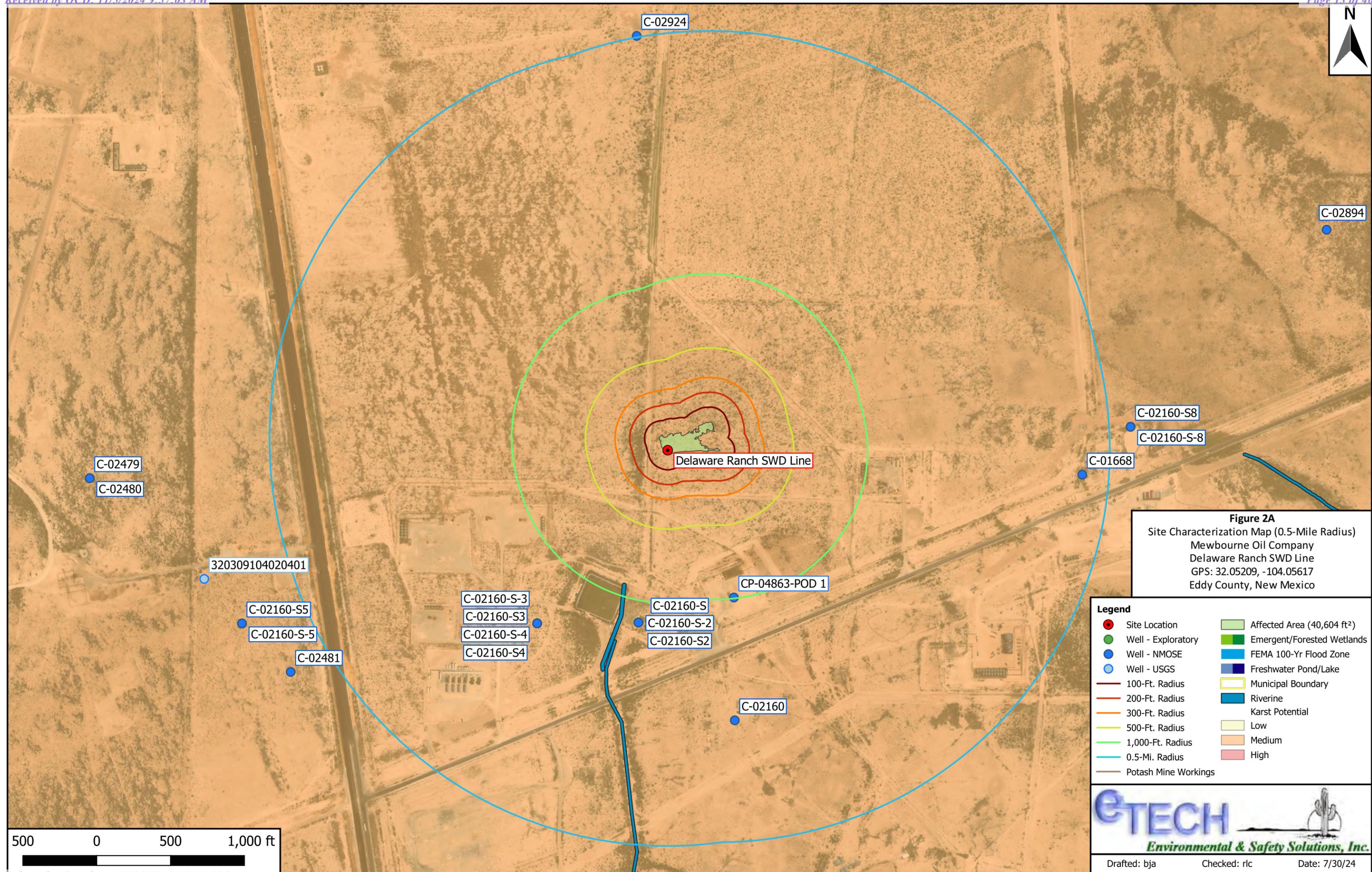
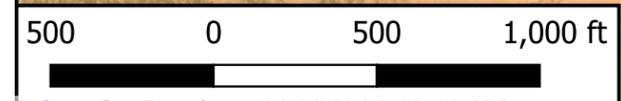


Figure 2A
 Site Characterization Map (0.5-Mile Radius)
 Mewbourne Oil Company
 Delaware Ranch SWD Line
 GPS: 32.05209, -104.05617
 Eddy County, New Mexico

- Legend**
- Site Location
 - Well - Exploratory
 - Well - NMOSE
 - Well - USGS
 - 100-Ft. Radius
 - 200-Ft. Radius
 - 300-Ft. Radius
 - 500-Ft. Radius
 - 1,000-Ft. Radius
 - 0.5-Mi. Radius
 - Potash Mine Workings
 - Affected Area (40,604 ft²)
 - Emergent/Forested Wetlands
 - FEMA 100-Yr Flood Zone
 - Freshwater Pond/Lake
 - Municipal Boundary
 - Riverine
 - Karst Potential
 - Low
 - Medium
 - High



Drafted: bja Checked: rlc Date: 7/30/24



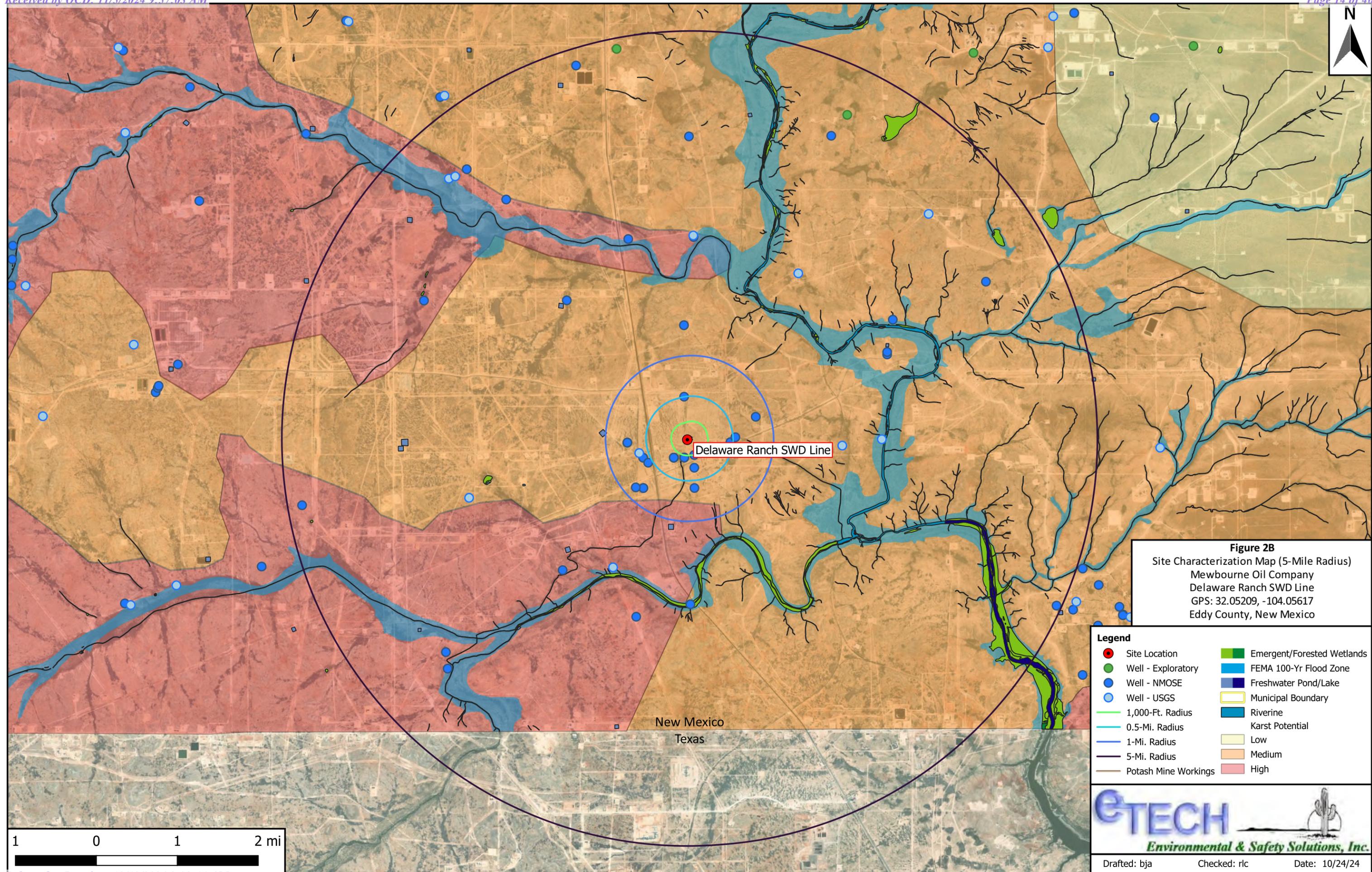
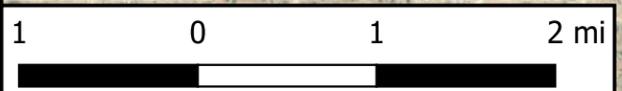


Figure 2B
 Site Characterization Map (5-Mile Radius)
 Mewbourne Oil Company
 Delaware Ranch SWD Line
 GPS: 32.05209, -104.05617
 Eddy County, New Mexico

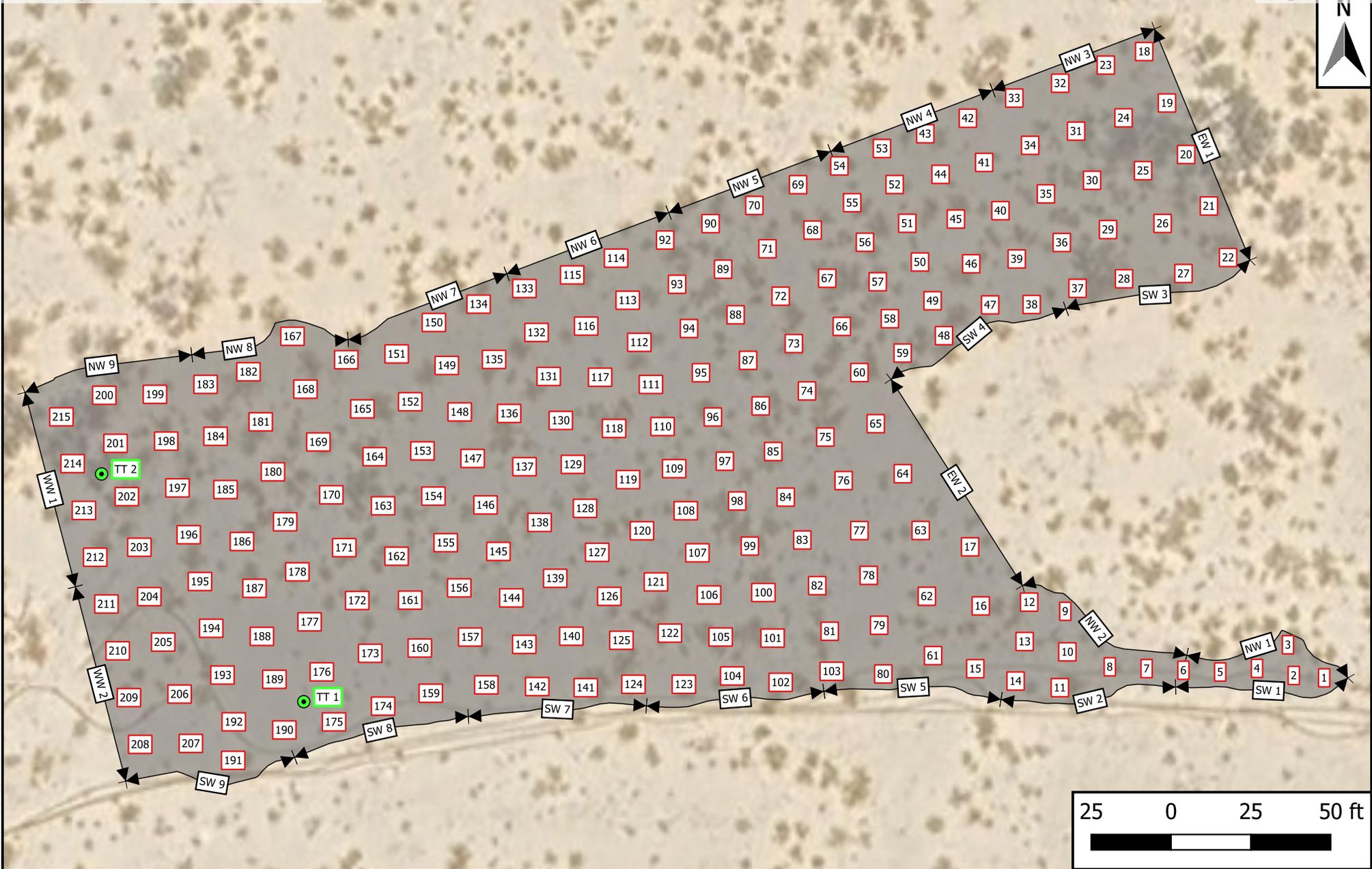
- Legend**
- Site Location
 - Well - Exploratory
 - Well - NMOSE
 - Well - USGS
 - 1,000-Ft. Radius
 - 0.5-Mi. Radius
 - 1-Mi. Radius
 - 5-Mi. Radius
 - Potash Mine Workings
 - Emergent/Forested Wetlands
 - FEMA 100-Yr Flood Zone
 - Freshwater Pond/Lake
 - Municipal Boundary
 - Riverine
 - Karst Potential
 - Low
 - Medium
 - High



ETECH
 Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 10/24/24

Figure 3 Sample Location Map



Legend

- Excavated Area (48,825 ft²)
- Composite Floor Sample
- Composite Wall Sample
- Test Trench

Figure 3
 Sample Location Map
 Mewbourne Oil Company
 Delaware Ranch SWD Line
 GPS: 32.05209, -104.05617
 Eddy County, New Mexico



Drafted: bja

Checked: rlc

Date: 10/24/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Delaware Ranch SWD Line NMOCD Ref. #: nAPP2421554026											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Samples											
TT 1 @ 0'	8/15/2024	0	Excavated	<0.050	<0.300	<10.0	35.4	35.4	<10.0	35.4	9,400
TT 1 @ 2'	8/15/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
TT 1 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,040
TT 1 @ 8'	8/15/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,120
TT 1 @ 12'	8/15/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,840
TT 1 @ 16'	8/15/2024	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
TT 1 @ 20'	8/15/2024	20	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
TT 2 @ 0'	8/15/2024	0	Excavated	<0.050	<0.300	<10.0	12.9	12.9	<10.0	12.9	12,400
TT 2 @ 2'	8/15/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
TT 2 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,440
TT 2 @ 8'	8/15/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
TT 2 @ 12'	8/15/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
Excavation Samples											
FL 1 @ 3'	8/7/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 2 @ 3'	8/7/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 3 @ 2'	8/7/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 4 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 5 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 6 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL 7 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 8 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,260
FL 9 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 10 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 11 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 12 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 13 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL 14 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 15 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 16 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 17 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 18 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 19 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	13.7	13.7	<10.0	13.7	784
FL 20 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 21 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 22 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FL 23 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,200
FL 24 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,200
FL 25 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
FL 26 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,640
FL 27 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
FL 28 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
FL 29 @ 7'	8/7/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,920
FL 30 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,560
FL 31 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Delaware Ranch SWD Line NMOCD Ref. #: nAPP2421554026											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 32 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 33 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL 34 @ 5'	8/7/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 35 @ 5'	8/7/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL 36 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,130
FL 37 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,320
FL 38 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
FL 39 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL 40 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,320
FL 41 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,880
FL 42 @ 4'	8/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,110
FL 43 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FL 44 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 45 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
FL 46 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,070
FL 47 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 48 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 49 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 50 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 51 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,600
FL 52 @ 5'	8/8/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,400
FL 53 @ 5'	8/8/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,520
FL 54 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
FL 55 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,520
FL 56 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,360
FL 57 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,480
FL 58 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,920
FL 59 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 60 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 61 @ 3'	8/8/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 62 @ 3'	8/8/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 63 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
FL 64 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 65 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 66 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,100
FL 67 @ 5'	8/8/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,840
FL 68 @ 5'	8/8/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
FL 69 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
FL 70 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 71 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
FL 72 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,600
FL 73 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,300
FL 74 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,810
FL 75 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
FL 76 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,200

Dash (-): Sample not analyzed for that constituent.
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Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Delaware Ranch SWD Line NMOCD Ref. #: nAPP2421554026											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 77 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
FL 78 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 79 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 80 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 81 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,700
FL 82 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,400
FL 83 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 84 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 85 @ 4'	8/8/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,640
FL 86 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
FL 87 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 88 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 89 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 90 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880
FL 91 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL 92 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,840
FL 93 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,720
FL 94 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,520
FL 95 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,760
FL 96 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,260
FL 97 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL 98 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 99 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 100 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,070
FL 101 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,640
FL 102 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,080
FL 103 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 104 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 105 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL 106 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,160
FL 107 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 108 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 109 @ 5'	8/9/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,200
FL 110 @ 5'	8/9/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,080
FL 111 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,360
FL 112 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,400
FL 113 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,440
FL 114 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 115 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,410
FL 116 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120
FL 117 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,840
FL 118 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
FL 119 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 120 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,360
FL 121 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160

Dash (-): Sample not analyzed for that constituent.
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 Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Delaware Ranch SWD Line NMOCD Ref. #: nAPP2421554026											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 122 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL 123 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 124 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 125 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FL 126 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,640
FL 127 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 128 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 129 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 130 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 131 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,600
FL 132 @ 4'	8/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
FL 133 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 134 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,560
FL 135 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,440
FL 136 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
FL 137 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 138 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,120
FL 139 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,840
FL 140 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 141 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 142 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
FL 143 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL 144 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,360
FL 145 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 146 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,950
FL 147 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200
FL 148 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,680
FL 149 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,280
FL 150 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 151 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,480
FL 152 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
FL 153 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,040
FL 154 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,760
FL 155 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200
FL 156 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,280
FL 157 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 158 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
FL 159 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,570
FL 160 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 161 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,000
FL 162 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
FL 163 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,560
FL 164 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120
FL 165 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,480
FL 166 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,880

Dash (-): Sample not analyzed for that constituent.
 Bold: NMOCD Closure Criteria exceedance.
 Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Delaware Ranch SWD Line NMOCD Ref. #: nAPP2421554026												
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000	
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600	
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl	
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)	
FL 167 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864	
FL 168 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,120	
FL 169 @ 4'	8/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,240	
FL 170 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,600	
FL 171 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,400	
FL 172 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,730	
FL 173 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368	
FL 174 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,250	
FL 175 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,600	
FL 176 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704	
FL 177 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600	
FL 178 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200	
FL 179 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,200	
FL 180 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,060	
FL 181 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400	
FL 182 @ 4'	8/15/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240	
FL 183 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,530	
FL 184 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,260	
FL 185 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400	
FL 186 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,800	
FL 187 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930	
FL 188 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,530	
FL 189 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,900	
FL 190 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,300	
FL 191 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,920	
FL 192 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000	
FL 193 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760	
FL 194 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200	
FL 195 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120	
FL 196 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,920	
FL 197 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,040	
FL 198 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320	
FL 199 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,240	
FL 200 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760	
FL 201 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880	
FL 202 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760	
FL 203 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,880	
FL 204 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000	
FL 205 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200	
FL 206 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120	
FL 207 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,160	
FL 208 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,120	
FL 209 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640	
FL 210 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,480	
FL 211 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,840	

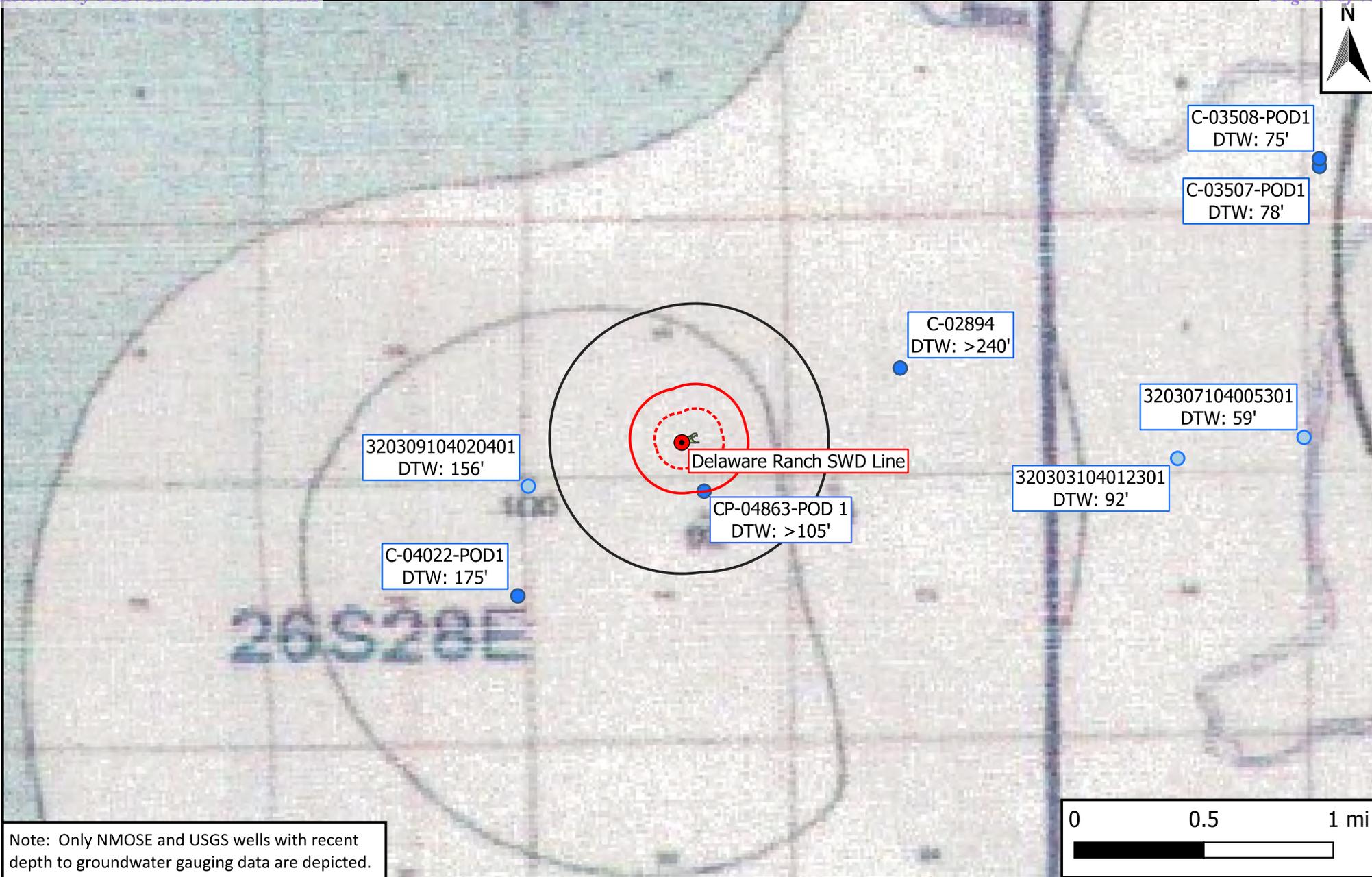
Dash (-): Sample not analyzed for that constituent.
 Bold: NMOCD Closure Criteria exceedance.
 Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Delaware Ranch SWD Line NMOCD Ref. #: nAPP2421554026											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 212 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,920
FL 213 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
FL 214 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,520
FL 215 @ 4'	8/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,840
NW 1	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 2	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 3	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 4	8/7/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 5	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
NW 6	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW 7	8/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
NW 7	8/16/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
NW 8	8/16/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
NW 9	8/16/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
EW 1	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 2	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 2	8/8/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 1	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 2	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 3	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW 4	8/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
SW 5	8/9/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 6	8/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 7	8/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SW 8	8/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 9	8/16/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 1	8/16/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 2	8/16/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
Backfill Sample											
Delaware Ranch Pit Sample	8/23/2024	N/A	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144

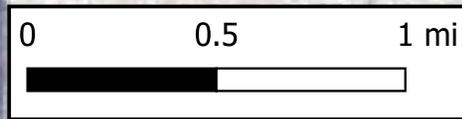
Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Appendix A

Depth to Groundwater Information



Note: Only NMOSE and USGS wells with recent depth to groundwater gauging data are depicted.



Legend	
● Site Location	■ Affected Area (40,604 ft ²)
● Well - Exploratory	□ 500-Foot Radius
● Well - NMOSE	□ 1,000-Foot Radius
● Well - USGS	□ 0.5-Mile Radius

Figure 4
 Inferred Depth to Groundwater Map
 Mewbourne Oil Company
 Delaware Ranch SWD Line
 GPS: 32.05209, -104.05617
 Eddy County, New Mexico

eTECH
 Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 10/24/24



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 02160 S		CUB	ED	NW	NW	NE	14	26S	28E	589043.0	3546244.0 *		359	300	120	180
C 02160 S2		CUB	ED	NW	NW	NE	14	26S	28E	589043.0	3546244.0 *		359	300	120	180
C 02160 S3		CUB	ED	NE	NE	NW	14	26S	28E	588834.0	3546241.0 *		446	300	120	180
C 02160 S4		CUB	ED	NE	NE	NW	14	26S	28E	588834.0	3546241.0 *		446	300	120	180
C 02160		CUB	ED	SE	NW	NE	14	26S	28E	589243.0	3546044.0 *		572	300	120	180

Average Depth to Water: **120 feet**

Minimum Depth: **120 feet**

Maximum Depth: **120 feet**

Record Count: 5

UTM Filters (in meters):

Easting: 589101.12

Northing: 3546598.98

Radius: 805

* UTM location was derived from PLSS - see Help

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

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02160 S	NW	NW	NE	14	26S	28E	589043.0	3546244.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	Driller Company:		
Driller Name:	HEMLER		
Drill Start Date:	Drill Finish Date:	1960-01-01	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow	
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well:	300	Depth Water: 120

Meter Information

Meter Number:	3534	Meter Make:	MCC
Meter Serial Number:	06-04-12150	Meter Multiplier:	1.0000
Number of Dials:	2	Meter Type:	Diversion
Unit of Measure:	Acre-Feet	Reading Frequency:	Monthly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2000-09-25	2000	14.464	A	ms		0.000	
2000-10-19	2000	14.987	A	mb		0.523	
2001-01-05	2000	17.244	A	ms		2.257	
2001-04-26	2001	30.952	A	ms		13.708	
2001-07-20	2001	45.445	A	ms		14.493	
2003-04-01	2002	45.445	A	RPT		0.000	
2003-06-03	2003	77.291	A	ms		31.846	
2003-10-29	2003	79.857	A	TW		2.566	
2004-01-06	2003	81.891	A	ab		2.034	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2004-04-28	2004	88.541	A	TW		6.650	
2004-07-14	2004	97.386	A	TW		8.845	
2004-10-20	2004	8.790	R	TW	Meter Rollover	11.404	
2005-01-03	2004	23.957	A	TW		15.167	
2005-03-30	2005	29.388	A	JW		5.431	
2005-07-06	2005	32.735	A	JW		3.347	
2005-10-18	2005	32.735	A	TW		0.000	
2006-01-05	2005	32.735	A	TW		0.000	
2006-04-05	2006	39.335	A	tw		6.600	
2006-07-06	2006	45.888	A	tw		6.553	
2006-07-06	2006	52.441	A	tw		6.553	
2007-01-04	2006	52.441	A	tw		0.000	
2007-04-27	2007	55.999	A	tw		3.558	
2007-07-03	2007	59.557	A	tw		3.558	
2007-10-14	2007	63.676	A	tw		4.119	
2008-01-02	2007	68.170	A	tw		4.494	
2008-01-03	2008	0.000	A	tw		0.000	
2008-04-15	2008	7.717	A	tw		7.717	
2008-07-16	2008	16.985	A	tw		9.268	
2008-10-02	2008	24.336	A	tw		7.351	
2009-01-14	2008	36.933	A	tw		12.597	
2009-04-15	2009	50.011	A	tw		13.078	
2009-06-07	2009	55.965	A	tw		5.954	
2010-01-06	2009	79.931	A	tw		23.966	
2010-05-13	2010	11.205	R	tw	Meter Rollover	31.274	
2010-12-28	2010	8.684	R	tw	Meter Rollover	97.479	
2011-09-20	2011	38.548	A	tw		29.864	
2012-01-04	2011	64.506	A	tw		25.958	
2012-03-12	2012	65.230	A	tw		0.724	

YTD Meter Amounts:

Year	Amount
2000	2.780
2001	28.201
2002	0.000
2003	36.446
2004	42.066
2005	8.778
2006	19.706
2007	15.729
2008	36.933
2009	42.998
2010	128.753
2011	55.822
2012	0.724

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Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
 quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02160 S2	NW	NW	NE	14	26S	28E	589043.0	3546244.0 *	

* UTM location was derived from PLSS - see Help

Driller License: **Driller Company:**

Driller Name: HEMLER

Drill Start Date: **Drill Finish Date:** 1960-03-01 **Plug Date:**

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

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

Casing Size: **Depth Well:** 300 **Depth Water:** 120

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quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02160 S3	NE	NE	NW	14	26S	28E	588834.0	3546241.0 *	

* UTM location was derived from PLSS - see Help

Driller License: **Driller Company:**

Driller Name: HEMLER

Drill Start Date: **Drill Finish Date:** 1960-05-01 **Plug Date:**

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

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

Casing Size: **Depth Well:** 300 **Depth Water:** 120

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Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
 quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
C 02160 S4	NE	NE	NW	14	26S	28E	588834.0	3546241.0 *		

* UTM location was derived from PLSS - see Help

Driller License: **Driller Company:**

Driller Name: HEMLER

Drill Start Date: **Drill Finish Date:** 1960-07-01 **Plug Date:**

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

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

Casing Size: **Depth Well:** 300 **Depth Water:** 120

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Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02160	SE	NW	NE	14	26S	28E	589243.0	3546044.0 *	

* UTM location was derived from PLSS - see Help

Driller License: **Driller Company:**

Driller Name: HEMLER

Drill Start Date: **Drill Finish Date:** 1959-12-01 **Plug Date:**

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

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

Casing Size: **Depth Well:** 300 **Depth Water:** 120

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

I. GENERAL AND WELL LOCATION	OSE POD NO (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S) CP-04863		
	WELL OWNER NAME(S) Mewbourne Oil Co.				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 4801 Business Park Blvd.				CITY Hobbs	STATE ZIP NM 88241	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 02	SECONDS 57.67	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -104	03	17.03	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NWNE S-14 T26S R28E							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862	NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 9/3/24	DRILLING ENDED 9/3/24	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A Dry hole		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 9/6/24	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
				No casing left in hole			
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
				N/A no casing left in hole			

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-04863 Pod-1

Well owner: Mewbourne Oil Co. Phone No.: _____

Mailing address: 4801 Business Park Blvd.

City: Hobbs State: NM Zip code: 88241

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC.
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
James Hawley
- 4) Date well plugging began: 9/6/24 Date well plugging concluded: 9/6/24
- 5) GPS Well Location: Latitude: 32 deg, 02 min, 57.67 sec
Longitude: -104 deg, 03 min, 17.03 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 8/7/24
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: United States GO

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Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list = 320309104020401

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320309104020401 26S.28E.14.11111

Eddy County, New Mexico
Latitude 32°02'59.0", Longitude 104°03'58.7" NAD83
Land-surface elevation 2,972.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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
			7								
1978-01-13			D 72019	122.34			1	Z			A
1983-01-25			D 72019	127.38			1	Z			A
1987-10-14			D 72019	106.40			1	Z			A
1993-01-05			D 72019	100.42			1	S			A
1998-01-22			D 72019	96.55			1	S			A
2003-01-27			D 72019	97.02			1	S	USGS	S	A
2013-01-09	20:30 UTC	m	72019	139.12			1	S	USGS	S	A
2021-02-24	20:05 UTC	m	72019	155.92			1	V	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-10-25 16:03:38 EDT

0.34 0.24 nadww01

Appendix B Field Data



Sample Log

Date: _____

Project: Delaware Ranch B1bo Flow Line

Project Number: 20882 Latitude: 32.052213 Longitude: -104.055798

Sample ID	PID/Odor	Chloride Conc.	GPS
EW1 - 4.6	—	768	
FL1@2 - 7.0	—	1800	
FL2@2 - 5.0	—	896	
FL3@2 2.0	—	196	
SW1 2.2	—	224	
NW1 - 5.2	—	968	
FL4@2 5.0	—	1800	
FL5@ - 5.4	—	1,040	
FL6@ - 4.2	—	652	
EW1 2.0	—	196	
FL1@3 2.6	—	292	
FL2@3 2.4	—	256	
FL4@3 - 5.0	—	896	
FL5@3 - 5.4	—	1,040	
FL6@3 - 5.4	—	1,040	
FL7@3 - 5.4	—	1,040	
FL8@3 - 6.0	—	1280	
FL9@3 - 7.4	—	2,072	
FL10@3 - 8.0	—	2580	
FL4@4 6.0	—	1756	
FL5@4 5.8	—	1168	
FL6@4 4.6	—	744	
FL7@4 6.8	—	1652	
FL8@4 6.4	—	1440	
FL9@4 3.6	—	472	
FL10@4 3.2	—	384	
FL11@4 4.8	—	804	
FL12@4 6.0	—	1256	
FL13@4 6.0	—	1256	
FL14@4 6.0	—	1296	
FL15@4 4.0	—	572	
FL16@4 5.8	—	1168	
FL17@4 6.6	—	1544	
NW2 3.4	—	428	
SW2 3.0	—	348	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Project: Delaware Ranch Flow line
 Project Number: _____

Date: _____

Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
EWR 3.8	—	520	
SW3 5.0	—	872	
SW3 6.4	—	1440	
SW3 3.6	—		
FL18@4 5.2	—		
FL19@4 4.8	—		
FL20@4 6.8	—		
FL21@4 4.8	—		
FL22@4 5.0	—		
NW3 3.8	—		
NW4 3.6	—		
FL23@4 5.6			
FL24@4 HS 5.6			
FL25@4 HS 5.6			
FL26@4 8.0			
FL27@4 6.4			
NW5 3.8			
NW6 3.6			
SW4 6.0		6268	
SW4 7.4		2036	
SW4 3.4		428	
FL-28 @4'		1256	
FL-29 @4'		18624	
FL-30 @4'		5224	
FL-31 @4'		572	
FL-32 @4'		624	
FL-33 @4'		1012	
FL-34 @4'		12680	
FL-35 @4'		11632	
FL-36 @4'		2541	
FL-37 @4'		2544	
FL-29 @5'		10692	
FL-29 @6'		10692	
FL-29 @7'		9084	
FL-34 @5'		872	
FL-35 @5'		624	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
TT-1 @ 1'	-	13864	
TT-1 @ 2'	-	11,632	
TT-1 @ 3'	-	11,632	
TT-1 @ 4'	-	9852	
TT-2 @ 1'	-	15216	
TT-2 @ 2'	-	12,680	
TT-2 @ 3'	-	15216	
TT-2 @ 4'	-	12,680	
TT-3 @ 1'	-	3168	
TT-3 @ 2'	-	7,164	
TT-3 @ 3'	-	10,692	
TT-3 @ 4'	-	9084	
FL-38 @ 4'	-	940	
FL-39 @ 4'	-	2036	
FL-40 @ 4'	-	4128	
FL-41 @ 4'	-	9028	
FL-42 @ 4'	-	2188	
FL-43 @ 4'	-	1012	
FL-44 @ 4'	-	9028	
FL-45 @ 4'	-	9028	
FL-46 @ 4'	-	9028	
FL-47 @ 4'	-	2544	
FL-48 @ 4'	-	520	
FL-49 @ 4'	-	520	
FL-50 @ 4'	-	1,168	
FL-51 @ 4'	-	9,792	
FL-52 @ 4'	-	13840	
FL-53 @ 4'	-	13840	
FL-54 @ 4'	-	1,168	
FL-52 @ 5'	-	5,220	
FL-53 @ 5'	-	7,697	
FL-55 @ 4'	-	1,328	
FL-56 @ 4'	-	9028	
FL-57 @ 4'	-	9,792	
FL-58 @ 4'	-	9,792	
FL-59 @ 4'	-	472	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-60 @ 4'	-	520	
EW-2	-	374	
FL-61 @ 3'	-	384	
FL-62 @ 3'	-	520	
FL-63 @ 4'	-	1512	
FL-64 @ 4'	-	520	
FL-65 @ 4'	-	472	
FL-66 @ 4'	-	7696	
FL-67 @ 4'	-	10640	
FL-68 @ 4'	-	10640	
FL-69 @ 4'	-	6092	
FL-67 @ 5'	-	5640	
FL-68 @ 5'	-	9028	
FL-70 @ 4'	-	308	
FL-71 @ 4'	-	6584	
FL-72 @ 4'	-	7696	
FL-73 @ 4'	-	9792	
FL-74 @ 4'	-	1544	
FL-75 @ 4'	-	3516	
FL-76 @ 4'	-	1544	
FL-77 @ 4'	-	1012	
FL-78 @ 4'	-	624	
FL-79 @ 4'	-	718	
FL-80 @ 4'	-	624	
FL-81 @ 4'	-	7696	
FL-82 @ 4'	-	9514	
FL-83 @ 4'	-	1256	
FL-84 @ 4'	-	2544	
FL-85 @ 4'	-	7544	
FL-86 @ 4'	-	1256	
FL-87 @ 4'	-	4828	
FL-88 @ 4'	-	248	
FL-89 @ 4'	-	4468	
FL-90 @ 4'	-	3244	
FL-91 @ 4'	-	4408	
FL-92 @ 4'	-	4408	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

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

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-93 @ 4'	-	9792	
FL-94 @ 4'	-	6584	
FL-95 @ 4'	-	8388	
FL-96 @ 4'	-	9812	
FL-97 @ 4'	-	1344	
FL-98 @ 4'	-	1012	
FL-99 @ 4'	-	348	
FL-100 @ 4'	-	1256	
FL-101 @ 4'	-	2544	
Sw-5	-	2036	
Sw-5	-	2158	
Sw-5	-	2544	
Sw-5	-	308	
FL-102 @ 4'	-	8388	
TT-4 @ 1'	-	13040	
TT-4 @ 2'	-	6092	
TT-4 @ 3'	-	744	
TT-5 @ 1'	-	8332	
TT-5 @ 2'	-	9028	
TT-5 @ 3'	-	9028	
TT-6 @ 1'	-	9792	
TT-6 @ 2'	-	10640	
TT-6 @ 3'	-	10640	
FL-103 @ 4'	-	812	
FL-104 @ 4'	-	1098	
FL-105 @ 4'	-	2544	
FL-106 @	-	3740	
FL-107 @	-	244	
FL-108 @ 4'	-	1168	
FL-109 @ 4'	-	15212	
FL-110 @ 4'	-	10640	
FL-111 @ 4'	-	8992	
FL-112 @ 4'	-	8992	
FL-113 @ 4'	-	9028	
FL-114 @ 4'	-	272	
	-		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-109 @ 5'	-	9384	
FL-110 @ 5'	-	9028	
FL-115 @ 4'	-	1652	
FL-116 @ 4'	-	7064	
FL-117 @ 4'	-	9884	
FL-118 @ 4'	-	9884	
FL-119 @ 4'	-	940	
FL-120 @ 4'	-	9884	
FL-121 @ 4'	-	4672	
FL-122 @ 4'	-	1652	
FL-123 @ 4'	-	276	
FL-124 @ 4'	-	9844	
FL-125 @ 4'	-	1344	
FL-126 @ 4'	-	2544	
FL-127 @ 4'	-	216	
FL-128 @ 4'	-	216	
FL-129 @ 4'	-	1012	
FL-130 @ 4'	-	520	
FL-131 @ 4'	-	9844	
FL-132 @ 4'	-	2928	
FL-133 @ 4'	-	1012	
FL-134 @ 4'	-	7064	
FL-135 @ 4'	-	3740	
FL-136 @ 4'	-	9064	
FL-137 @ 4'	-	872	
FL-138 @ 4'	-	4384	
FL-139 @ 4'	-	9884	
SW-6	-	572	
NW-test	-	428	
FL-140 @ 4'	-	1168	
FL-141 @ 4'	-	1012	
NW-7	-	872	
NW-7	-	384	
NW-test	-	384	
FL-142 @ 4'	-	1256	
FL-143 @ 4'	-	940	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

25



Sample Log

Date: _____

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

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-144 @ 4'	-	6016	
FL-145 @ 4'	-	572	
FL-146 @ 4'	-	2544	
FL-147 @ 4'	-	7064	
FL-148 @ 4'	-	9881	
FL-149 @ 4'	-	6016	
FL-150 @ 4'	-	1168	
FL-151 @ 4'	-	5556	
FL-152 @ 4'	-	7064	
FL-153 @ 4'	-	5330	
FL-154 @ 4'	-	9884	
FL-155 @ 4'	-	9064	
FL-156 @ 4'	-	7932	
FL-157 @ 4'	-	1896	
FL-158 @ 4'	-	1896	
FL-159 @ 4'	-	2544	
FL-160 @ 4'	-	940	
FL-161 @ 4'	-	7752	
FL-162 @ 4'	-	4824	
FL-163 @ 4'	-	7164	
FL-164 @ 4'	-	7164	
FL-165 @ 4'	-	3168	
FL-166 @ 4'	-	9852	
FL-167 @ 4'	-	1086	
FL-168 @ 4'	-	7640	
FL-169 @ 4'	-	9884	
SW-8 *	-	572	
FL-170 @ 4'	-	9064	
FL-171 @ 4'	-	8332	
FL-172 @ 4'	-	9064	
FL-173 @ 4'	-	572	
FL-174 @ 4'	-	2860	
FL-175 @ 4'	-	9884	
FL-176 @ 4'	-	988	
FL-177 @ 4'	-	4672	
FL-178 @ 4'	-	7064	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

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

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-179 @ 4'		9884	
FL-180 @ 4'		8332	
FL-181 @ 4'		9064	
FL-182 @ 4'		2688	
TT-1 @ Surf	-	14336	
TT-1 @ 2'	-	7668	
TT-1 @ 4'	-	2468	
TT-1 @ 6'	-	1344	
TT-1 @ 8'	-	2544	
TT-1 @ 10'	-	5556	
TT-1 @ 12'	-	4384	
TT-1 @ 16'	-	1736	
TT-1 @ 18'	-	2188	
TT-1 @ 20'	-	520	
TT-2 @ Surf	-	13000	
TT-2 @ 2'	-	9884	
TT-2 @ 4'	-	7668	
TT-2 @ 6'	-	6016	
TT-2 @ 8'	-	2544	
TT-2 @ 10'	-	1012	
TT-2 @ 12'	-	348	
FL-176 @ 4'	-	7168	
FL-175 @ 4'	-	9884	
FL-183 @ 4'	-	9884	
FL-184 @ 4'	-	7664	
FL-185 @ 4'	-	9884	
FL-186 @ 4'	-	9884	
FL-187 @ 4'	-	9884	
FL-188 @ 4'	-	7088	
FL-189 @ 4'	-	9884	
FL-190 @ 4'	-	4384	
FL-191 @ 4'	-	6016	
FL-192 @ 4'	-	6016	
FL-193 @ 4'	-	4048	
FL-194 @ 4'	-	7064	
FL-195 @ 4'	-	9884	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Surf
4
8
16

Surf
2
4
8
12

Appendix C

Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: Northwest	
Photo Description: View of the affected area.	

Photo Number: 2	
Photo Direction: West-Northwest	
Photo Description: View of the affected area.	

Photographic Log

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

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

Photographic Log

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

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

Photographic Log

Photo Number: 7	
Photo Direction: Northeast	
Photo Description: View of the affected area.	

Photo Number: 8	
Photo Direction: West-Southwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 9	 <p>Aug 16, 2024 at 12:55:40 PM +32.052178,-104.056340 Carlsbad NM 88220 United States</p>
Photo Direction: Northeast	
Photo Description: View of the excavated area.	

Photo Number: 10	 <p>Aug 16, 2024 at 12:55:44 PM +32.052178,-104.056340 Carlsbad NM 88220 United States</p>
Photo Direction: East	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 11	 <p>Aug 16, 2024 at 12:55:47 PM +32.052178,-104.056340 Carlsbad NM 88220 United States</p>
Photo Direction: East-Southeast	
Photo Description: View of the excavated area.	

Photo Number: 12	 <p>Aug 16, 2024 at 12:56:32 PM +32.052073,-104.056361 Carlsbad NM 88220 United States</p>
Photo Direction: East-Northeast	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 13	 <p>Aug 16, 2024 at 12:56:35 PM +32.052073,-104.056361 Carlsbad NM 88220 United States</p>
Photo Direction: Northeast	
Photo Description: View of the excavated area.	

Photo Number: 14	 <p>Aug 28, 2024 at 12:54:32 PM +32.052296,-104.056011 NM</p>
Photo Direction: West	
Photo Description: View of the remediated area during backfilling showing the background thickness of topsoil.	

Photographic Log

Photo Number: 15	 <p>Sep 3, 2024 at 11:01:16 AM +32.052494,-104.055276 NM</p>
Photo Direction: Southeast	
Photo Description: View of the remediated area during backfilling showing the background thickness of topsoil.	

Photo Number: 16	 <p>Sep 3, 2024 at 11:03:45 AM +32.052547,-104.055582 NM</p>
Photo Direction: East-Northeast	
Photo Description: View of the remediated area during backfilling showing the background thickness of topsoil.	

Photographic Log

Photo Number: 17	
Photo Direction: Northeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 18	
Photo Direction: East	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log

Photo Number: 19	
Photo Direction: East-Northeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 20	
Photo Direction: Northwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log

Photo Number: 21	
Photo Direction: North	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 22	
Photo Direction: Northeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Appendix D

Laboratory Analytical Reports



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

August 13, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DELAWARE RANCH B1BO FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/07/24 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 1 @ 3' (H244762-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

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	08/09/2024	ND	480	120	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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 2 @ 3' (H244762-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 3 @ 2' (H244762-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 4 @ 4' (H244762-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 5 @ 4' (H244762-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 6 @ 4' (H244762-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 7 @ 4' (H244762-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 8 @ 4' (H244762-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 9 @ 4' (H244762-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 10 @ 4' (H244762-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 11 @ 4' (H244762-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 12 @ 4' (H244762-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 13 @ 4' (H244762-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	1.99	99.4	2.00	4.97	
Toluene*	<0.050	0.050	08/08/2024	ND	1.95	97.6	2.00	4.15	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	5.91	98.5	6.00	2.46	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 14 @ 4' (H244762-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 15 @ 4' (H244762-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 16 @ 4' (H244762-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 17 @ 4' (H244762-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 18 @ 4' (H244762-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 19 @ 4' (H244762-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	13.7	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 20 @ 4' (H244762-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/09/2024	ND	480	120	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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 21 @ 4' (H244762-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 22 @ 4' (H244762-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	201	101	200	0.512	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	197	98.4	200	0.422	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 23 @ 4' (H244762-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 55.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 24 @ 4' (H244762-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 61.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 25 @ 4' (H244762-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 59.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 26 @ 4' (H244762-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 63.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 27 @ 4' (H244762-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 62.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 28 @ 4' (H244762-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 29 @ 7' (H244762-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9920	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 65.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 30 @ 4' (H244762-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 63.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 31 @ 4' (H244762-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 67.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 32 @ 4' (H244762-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 56.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 49.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 33 @ 4' (H244762-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.17	108	2.00	3.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.30	115	2.00	2.75	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.38	119	2.00	1.99	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.24	121	6.00	2.03	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 58.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 50.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 34 @ 5' (H244762-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/09/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 35 @ 5' (H244762-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 60.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 36 @ 4' (H244762-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2130	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 60.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 37 @ 4' (H244762-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 59.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 38 @ 4' (H244762-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 39 @ 4' (H244762-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 40 @ 4' (H244762-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	08/09/2024	ND	416	104	400	7.41	

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	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 41 @ 4' (H244762-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	08/09/2024	ND	416	104	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 42 @ 4' (H244762-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2110	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	197	98.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	188	94.1	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 58.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 1 (H244762-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 2 (H244762-44)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 3 (H244762-45)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 4 (H244762-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

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	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 5 (H244762-47)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 6 (H244762-48)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: EW 1 (H244762-49)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: EW 2 (H244762-50)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 1 (H244762-51)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 2 (H244762-52)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

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	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 3 (H244762-53)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.03	101	2.00	1.24	
Toluene*	<0.050	0.050	08/08/2024	ND	2.00	100	2.00	0.774	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.724	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.28	105	6.00	0.859	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/13/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 4 (H244762-54)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.40	120	2.00	2.14	
Toluene*	<0.050	0.050	08/08/2024	ND	2.48	124	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.61	130	2.00	4.31	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	7.70	128	6.00	4.53	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/09/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	231	116	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	210	105	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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August 14, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DELAWARE RANCH B1BO FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/08/24 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 43 @ 4' (H244807-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/12/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	207	104	200	4.56	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	216	108	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 44 @ 4' (H244807-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	08/12/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	207	104	200	4.56	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	216	108	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 45 @ 4' (H244807-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	08/12/2024	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	207	104	200	4.56	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	216	108	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 46 @ 4' (H244807-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	08/12/2024	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	08/10/2024	ND	207	104	200	4.56	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	216	108	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 70.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 47 @ 4' (H244807-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 48 @ 4' (H244807-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 53.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 49 @ 4' (H244807-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/12/2024	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	08/12/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 50 @ 4' (H244807-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 62.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 51 @ 4' (H244807-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 52 @ 5' (H244807-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 53 @ 5' (H244807-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.06	103	2.00	0.178	
Toluene*	<0.050	0.050	08/10/2024	ND	2.01	100	2.00	0.540	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.10	105	2.00	0.610	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.21	104	6.00	0.769	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7520	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
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 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 54 @ 4' (H244807-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 61.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.6 % 49.1-148

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Analytical Results For:

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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 55 @ 4' (H244807-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Analytical Results For:

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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 56 @ 4' (H244807-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7360	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 57 @ 4' (H244807-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8480	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 58 @ 4' (H244807-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7920	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Analytical Results For:

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

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 59 @ 4' (H244807-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 65.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 60 @ 4' (H244807-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
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 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 61 @ 3' (H244807-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 65.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.9 % 49.1-148

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Analytical Results For:

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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 62 @ 3' (H244807-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/12/2024	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	08/09/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 49.1-148

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Analytical Results For:

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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 63 @ 4' (H244807-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/12/2024	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	08/10/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 64 @ 4' (H244807-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/12/2024	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	08/10/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.1 % 49.1-148

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Analytical Results For:

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

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 65 @ 4' (H244807-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 66 @ 4' (H244807-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8100	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	198	99.0	200	3.80	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	191	95.4	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Analytical Results For:

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 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 67 @ 5' (H244807-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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 HOBBS NM, 88240
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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 68 @ 5' (H244807-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 69 @ 4' (H244807-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 70 @ 4' (H244807-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 71 @ 4' (H244807-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 72 @ 4' (H244807-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 73 @ 4' (H244807-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2024	ND	2.48	124	2.00	1.23	
Toluene*	<0.050	0.050	08/10/2024	ND	2.22	111	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/10/2024	ND	2.26	113	2.00	2.58	
Total Xylenes*	<0.150	0.150	08/10/2024	ND	6.90	115	6.00	3.16	
Total BTEX	<0.300	0.300	08/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 74 @ 4' (H244807-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1810	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 75 @ 4' (H244807-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 76 @ 4' (H244807-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 77 @ 4' (H244807-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 78 @ 4' (H244807-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 79 @ 4' (H244807-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 80 @ 4' (H244807-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 81 @ 4' (H244807-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7700	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 82 @ 4' (H244807-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 83 @ 4' (H244807-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 84 @ 4' (H244807-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	08/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 85 @ 4' (H244807-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32	
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84	
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55	
Total BTEX	<0.300	0.300	08/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/12/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	218	109	200	9.55	
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	219	109	200	9.67	
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: EW 2 (H244807-44)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2024	ND	2.01	100	2.00	4.32		
Toluene*	<0.050	0.050	08/11/2024	ND	1.97	98.7	2.00	3.18		
Ethylbenzene*	<0.050	0.050	08/11/2024	ND	2.02	101	2.00	1.84		
Total Xylenes*	<0.150	0.150	08/11/2024	ND	5.98	99.7	6.00	1.55		
Total BTEX	<0.300	0.300	08/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/12/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/10/2024	ND	218	109	200	9.55		
DRO >C10-C28*	<10.0	10.0	08/10/2024	ND	219	109	200	9.67		
EXT DRO >C28-C36	<10.0	10.0	08/10/2024	ND						

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1BO Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride, TPH (8015M), BTEX (8021B)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

Relinquished By: [Signature] Date: 8-8-24 Time: 1:50 PM
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: -11.0 Corrected Temp. °C: -17.0
Sample Condition Cool Intact [] Yes [] No [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No Corrected Temp. °C

-11.6 ch 8/8/24



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1B0 Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride TPH (8015M) BTEX (8021B)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

Relinquished By: [Signature] Date: 8-8-24 Time: 1:55
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechnv.com
REMARKS:
Delivered By: (Circle One) Observed Temp. °C: -11.0 Sample Condition Cool Intact [] Yes [] No [] No [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [X] Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] No [] No Corrected Temp. °C

-11.0 ch 8/11/24



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1BO Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios

Table with columns: Lab I.D., Sample I.D., (G/RAB OR (C)OMP. # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 21-30.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: [Signature] Date: 8-8-24 Time: 1505 Received By: [Signature] Date: [Blank] Time: [Blank] Verbal Result: [] Yes [] No Add'l Phone #: [Blank] All Results are emailed. Please provide Email address: pm@etechnv.com

-11.0 cu 8/14/24



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1BO Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 31-40.

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Relinquished By: [Signature] Date: 8-8-24 Time: 1505
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -11.0 Corrected Temp. °C: -12.0
Sample Condition Cool Intact [] Yes [] No [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [x]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1B0 Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride TPH (8015M) BTEX (8021B)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

Relinquished By: [Signature] Date: 8-8-24 Time: 1:505
Received By: [Signature] Date: Received By:
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -11.0 Corrected Temp. °C: -17.0
Sample Condition Cool Intact [] Yes [] No [] No [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard Rush [] []
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] No [] No Corrected Temp. °C

-11.0 ch 8/14/24



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

August 15, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DELAWARE RANCH B1BO FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/09/24 14:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 86 @ 4' (H244831-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.86	93.0	2.00	12.5	
Toluene*	<0.050	0.050	08/13/2024	ND	1.84	92.0	2.00	12.2	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	1.87	93.7	2.00	12.4	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	5.49	91.5	6.00	12.5	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 87 @ 4' (H244831-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.86	93.0	2.00	12.5	
Toluene*	<0.050	0.050	08/13/2024	ND	1.84	92.0	2.00	12.2	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	1.87	93.7	2.00	12.4	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	5.49	91.5	6.00	12.5	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 88 @ 4' (H244831-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.86	93.0	2.00	12.5	
Toluene*	<0.050	0.050	08/13/2024	ND	1.84	92.0	2.00	12.2	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	1.87	93.7	2.00	12.4	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	5.49	91.5	6.00	12.5	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 89 @ 4' (H244831-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.86	93.0	2.00	12.5	
Toluene*	<0.050	0.050	08/13/2024	ND	1.84	92.0	2.00	12.2	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	1.87	93.7	2.00	12.4	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	5.49	91.5	6.00	12.5	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 90 @ 4' (H244831-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.86	93.0	2.00	12.5	
Toluene*	<0.050	0.050	08/13/2024	ND	1.84	92.0	2.00	12.2	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	1.87	93.7	2.00	12.4	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	5.49	91.5	6.00	12.5	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 91 @ 4' (H244831-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 92 @ 4' (H244831-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 93 @ 4' (H244831-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	207	104	200	3.13	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	212	106	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
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Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 94 @ 4' (H244831-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 95 @ 4' (H244831-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 96 @ 4' (H244831-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 97 @ 4' (H244831-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 98 @ 4' (H244831-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/13/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 99 @ 4' (H244831-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/13/2024	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	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 100 @ 4' (H244831-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	08/13/2024	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	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 101 @ 4' (H244831-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/13/2024	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	08/12/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 102 @ 4' (H244831-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 103 @ 4' (H244831-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 104 @ 4' (H244831-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
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 2617 W MARLAND
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 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 105 @ 4' (H244831-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 106 @ 4' (H244831-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 107 @ 4' (H244831-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

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	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 108 @ 4' (H244831-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 109 @ 5' (H244831-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 110 @ 5' (H244831-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.12	106	2.00	0.420	
Toluene*	<0.050	0.050	08/13/2024	ND	2.21	110	2.00	0.838	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.96	116	6.00	1.41	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 111 @ 4' (H244831-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9360	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 112 @ 4' (H244831-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 113 @ 4' (H244831-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	08/13/2024	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	08/13/2024	ND	240	120	200	0.781	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	225	112	200	0.448	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 114 @ 4' (H244831-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	08/13/2024	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	08/12/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/12/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/12/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 115 @ 4' (H244831-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	08/13/2024	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	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 116 @ 4' (H244831-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	08/13/2024	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	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 117 @ 4' (H244831-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	08/13/2024	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	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 118 @ 4' (H244831-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	08/13/2024	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	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 119 @ 4' (H244831-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434		
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75		
Total BTEX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	08/13/2024	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45		
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155		
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND						

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 120 @ 4' (H244831-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7360	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 121 @ 4' (H244831-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 122 @ 4' (H244831-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 123 @ 4' (H244831-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 124 @ 4' (H244831-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 125 @ 4' (H244831-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 126 @ 4' (H244831-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 127 @ 4' (H244831-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 128 @ 4' (H244831-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 129 @ 4' (H244831-44)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 130 @ 4' (H244831-45)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	2.09	105	2.00	0.434	
Toluene*	<0.050	0.050	08/13/2024	ND	2.15	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.20	110	2.00	1.15	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.77	113	6.00	1.75	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 131 @ 4' (H244831-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.98	99.2	2.00	0.853	
Toluene*	<0.050	0.050	08/13/2024	ND	1.94	96.8	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.06	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.07	101	6.00	1.43	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 132 @ 4' (H244831-47)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.98	99.2	2.00	0.853	
Toluene*	<0.050	0.050	08/13/2024	ND	1.94	96.8	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.06	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.07	101	6.00	1.43	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/15/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 5 (H244831-48)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.98	99.2	2.00	0.853	
Toluene*	<0.050	0.050	08/13/2024	ND	1.94	96.8	2.00	1.43	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.06	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.07	101	6.00	1.43	
Total BTEX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	200	100	200	2.45	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	198	99.2	200	0.155	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1BO Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios

BILL TO ANALYSIS REQUEST

P.O. #:
Company: Mewbourne
Attn: Connor Walker
Address:
City:
State: Zip:
Phone #:
Fax #:

Table with columns: Lab I.D., Sample I.D., (GRAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 21-30.

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Relinquished By: [Signature] Date: 8-9-24 Time: 1451
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechnv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -9.1°C Corrected Temp. °C: -9.7°C
Sample Condition Cool Intact [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [X]
Thermometer ID #140 Correction Factor -0.6°C
Bacteria (only) Cool Intact Sample Condition Observed Temp. °C Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: Mewbourne																							
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																					
Phone #: (575) 264-9884		Fax #:		Address:																							
Project #: 20882		Project Owner: Mewbourne		City:																							
Project Name: Delaware Ranch B1BO Flow Line				State:																Zip:							
Project Location: 32.052213, -104.055798				Phone #:																Fax #:							
Sampler Name: Aaron Rios				FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H2U 83																											
31	FL 116 @ 4'	C	1		X					X			8/9/24		X	X	X										
32	FL 117 @ 4'	C	1		X					X			8/9/24		X	X	X										
33	FL 118 @ 4'	C	1		X					X			8/9/24		X	X	X										
34	FL 119 @ 4'	C	1		X					X			8/9/24		X	X	X										
35	FL 120 @ 4'	C	1		X					X			8/9/24		X	X	X										
36	FL 121 @ 4'	C	1		X					X			8/9/24		X	X	X										
37	FL 122 @ 4'	C	1		X					X			8/9/24		X	X	X										
38	FL 123 @ 4'	C	1		X					X			8/9/24		X	X	X										
39	FL 124 @ 4'	C	1		X					X			8/9/24		X	X	X										
40	FL 125 @ 4'	C	1		X					X			8/9/24		X	X	X										

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Relinquished By:	Date: 8-9-24	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
Relinquished By:	Time: 1451	Received By:	All Results are emailed. Please provide Email address: pm@etechnv.com		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: -9.1°C Corrected Temp. °C: -9.7°C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1B0 Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios

Table with columns: Lab I.D., Sample I.D., (GRAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV., SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 1-8 contain sample data.

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Relinquished By: [Signature] Date: 8-9-24 Time: 1451
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechnv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -9.1°C Corrected Temp. °C: -9.7°C
Sample Condition Cool Intact [] Yes [] No [] No [] No
CHECKED BY: (Initials) AP
Turnaround Time: Standard [] Rush [x]
Thermometer ID #140 Correction Factor -0.6°C
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C



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

August 20, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DELAWARE RANCH B1BO FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/14/24 14:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 133 @ 4' (H244926-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 134 @ 4' (H244926-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8560	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 135 @ 4' (H244926-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 136 @ 4' (H244926-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	08/15/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 137 @ 4' (H244926-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 138 @ 4' (H244926-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 139 @ 4' (H244926-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 140 @ 4' (H244926-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	1.97	98.4	2.00	4.22	
Toluene*	<0.050	0.050	08/15/2024	ND	1.98	98.8	2.00	4.55	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.03	101	2.00	4.52	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.00	100	6.00	5.13	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 141 @ 4' (H244926-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.08	104	2.00	8.12	
Toluene*	<0.050	0.050	08/15/2024	ND	1.99	99.6	2.00	7.75	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	1.99	99.4	2.00	7.79	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.89	98.1	6.00	7.94	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 142 @ 4' (H244926-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 143 @ 4' (H244926-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 144 @ 4' (H244926-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 145 @ 4' (H244926-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 146 @ 4' (H244926-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1950	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 147 @ 4' (H244926-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 148 @ 4' (H244926-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 149 @ 4' (H244926-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 150 @ 4' (H244926-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	199	99.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	200	99.9	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 151 @ 4' (H244926-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 152 @ 4' (H244926-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 153 @ 4' (H244926-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 154 @ 4' (H244926-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 155 @ 4' (H244926-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 156 @ 4' (H244926-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	08/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 157 @ 4' (H244926-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 158 @ 4' (H244926-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 159 @ 4' (H244926-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 160 @ 4' (H244926-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 161 @ 4' (H244926-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	9.72	
Toluene*	<0.050	0.050	08/15/2024	ND	1.93	96.6	2.00	9.21	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.02	101	2.00	8.39	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	5.99	99.9	6.00	8.62	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 162 @ 4' (H244926-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 163 @ 4' (H244926-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 164 @ 4' (H244926-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 165 @ 4' (H244926-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 166 @ 4' (H244926-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 167 @ 4' (H244926-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 168 @ 4' (H244926-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 169 @ 4' (H244926-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8240	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 7 (H244926-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	202	101	200	0.0390	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	195	97.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 6 (H244926-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 7 (H244926-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/15/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/14/2024	Sampling Date:	08/14/2024
Reported:	08/20/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 8 (H244926-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2024	ND	2.28	114	2.00	1.86	
Toluene*	<0.050	0.050	08/16/2024	ND	2.22	111	2.00	0.286	
Ethylbenzene*	<0.050	0.050	08/16/2024	ND	2.28	114	2.00	0.567	
Total Xylenes*	<0.150	0.150	08/16/2024	ND	6.78	113	6.00	1.31	
Total BTEX	<0.300	0.300	08/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/16/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1BO Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride, TPH (8015M), BTEX (8021B)

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME). Rows 21-30.

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Relinquished By: [Signature] Date: 8-14-24 Time: 1450
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -10.0°C Corrected Temp. °C: -10.6°C
Sample Condition: Cool Intact [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [x]
Bacteria (only) Sample Condition: Cool Intact [] Yes [] No Observed Temp. °C: Corrected Temp. °C:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1B0 Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride, TPH (8015M), BTEX (8021B)

FOR LAB USE ONLY
Lab I.D. Sample I.D. (GRAB OR (C)OMP. # CONTAINERS MATRIX PRESERV. SAMPLING DATE TIME
31 FL 163 @ 4' C 1 X X 8/14/24
32 FL 164 @ 4' C 1 X X 8/14/24
33 FL 165 @ 4' C 1 X X 8/14/24
34 FL 166 @ 4' C 1 X X 8/14/24
35 FL 167 @ 4' C 1 X X 8/14/24
36 FL 168 @ 4' C 1 X X 8/14/24
37 FL 169 @ 4' C 1 X X 8/14/24
38 NW 7 C 1 X X 8/14/24
39 SW 6 C 1 X X 8/14/24
40 SW 7 C 1 X X 8/14/24
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.
Relinquished By: [Signature] Date: 8-14-24 Time: 14:50
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechnv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -10.0°C Corrected Temp. °C: -10.6°C
Sample Condition: Cool Intact [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush []
Bacteria (only) Sample Condition: Cool Intact [] Yes [] No Observed Temp. °C: Corrected Temp. °C:
Thermometer ID #140 Correction Factor -0.6°C
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

August 21, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DELAWARE RANCH B1BO FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 170 @ 4' (H244971-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8600	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 171 @ 4' (H244971-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9400	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 172 @ 4' (H244971-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 173 @ 4' (H244971-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 174 @ 4' (H244971-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 175 @ 4' (H244971-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 176 @ 4' (H244971-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 177 @ 4' (H244971-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 178 @ 4' (H244971-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 179 @ 4' (H244971-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 180 @ 4' (H244971-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9060	16.0	08/19/2024	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	08/16/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 181 @ 4' (H244971-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	08/19/2024	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	08/17/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/17/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/17/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 182 @ 4' (H244971-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	08/19/2024	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	08/17/2024	ND	222	111	200	7.84	
DRO >C10-C28*	<10.0	10.0	08/17/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/17/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 20882 Project Owner: Mewbourne Project Name: Delaware Ranch B1BO Flow Line Project Location: 32.052213, -104.055798 Sampler Name: Aaron Rios

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

Relinquished By: [Signature] Date: 8/15/24 Time: 1454 Received By: [Signature] Date: [Blank] Time: [Blank] Verbal Result: [] Yes [] No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechnv.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 20882 Project Owner: Mewbourne Project Name: Delaware Ranch B1BO Flow Line Project Location: 32.052213, -104.055798 Sampler Name: Aaron Rios

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

Relinquished By: [Signature] Date: 8/15/24 Time: 1454 Received By: [Signature] Date: [Blank] Time: [Blank] Verbal Result: [Blank] All Results are emailed. Please provide Email address: pm@etechenv.com



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

August 21, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DELAWARE RANCH B1BO FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 1 @ 0' (H244972-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9400	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/17/2024	ND	222	111	200	7.84	
DRO >C10-C28*	35.4	10.0	08/17/2024	ND	233	116	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	08/17/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 1 @ 2' (H244972-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	08/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 1 @ 4' (H244972-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2024	ND	2.01	101	2.00	0.587	
Toluene*	<0.050	0.050	08/17/2024	ND	1.92	96.2	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/17/2024	ND	2.00	99.9	2.00	1.36	
Total Xylenes*	<0.150	0.150	08/17/2024	ND	5.96	99.3	6.00	1.94	
Total BTEX	<0.300	0.300	08/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	08/19/2024	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 1 @ 8' (H244972-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	QM-07
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	QM-07
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 1 @ 12' (H244972-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 1 @ 16' (H244972-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 1 @ 20' (H244972-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 2 @ 0' (H244972-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	12.9	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 2 @ 2' (H244972-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 2 @ 4' (H244972-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 2 @ 8' (H244972-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/15/2024	Sampling Date:	08/15/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: TT 2 @ 12' (H244972-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.9	2.00	3.32	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.4	2.00	3.18	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.8	2.00	2.96	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.77	96.1	6.00	2.82	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	230	115	200	13.2	
DRO >C10-C28*	<10.0	10.0	08/16/2024	ND	223	111	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1B0 Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios

Table with columns: Lab I.D., Sample I.D., (G/RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 1-10 showing sampling data.

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Relinquished By: [Signature] Date: 8-15-24 Time: 1451
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Observed Temp. °C: -12.0°C Corrected Temp. °C: -12.4°C
Sample Condition: Cool Intact [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [x]
Bacteria (only) Sample Condition: Cool Intact [] Yes [] No Observed Temp. °C: Corrected Temp. °C:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company and project information, a 'BILL TO' section, an 'ANALYSIS REQUEST' table with columns for Chloride, TPH (8015M), and BTEX (8021B), and a detailed sampling table with columns for Lab I.D., Sample I.D., Matrix, Preservation, and Sampling.

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Form for Relinquished/Received By, Verbal Result, Remarks, and Delivered By information, including fields for Date, Time, Observed/Corrected Temp, Sample Condition, and Turnaround Time.



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

August 21, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DELAWARE RANCH B1BO FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/16/24 14:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 183 @ 4' (H245002-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 184 @ 4' (H245002-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6260	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 185 @ 4' (H245002-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 186 @ 4' (H245002-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 187 @ 4' (H245002-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8930	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 188 @ 4' (H245002-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.33	117	2.00	1.58	
Toluene*	<0.050	0.050	08/20/2024	ND	2.37	118	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.43	122	2.00	3.05	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	7.30	122	6.00	3.59	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 189 @ 4' (H245002-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6900	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 190 @ 4' (H245002-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5300	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 191 @ 4' (H245002-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 192 @ 4' (H245002-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 193 @ 4' (H245002-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 194 @ 4' (H245002-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 195 @ 4' (H245002-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	08/20/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 196 @ 4' (H245002-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	08/20/2024	ND	400	100	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 197 @ 4' (H245002-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 198 @ 4' (H245002-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	201	100	200	4.35	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	197	98.5	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 199 @ 4' (H245002-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 200 @ 4' (H245002-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 201 @ 4' (H245002-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 202 @ 4' (H245002-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 203 @ 4' (H245002-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 204 @ 4' (H245002-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/19/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/19/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/19/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 205 @ 4' (H245002-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.00	99.8	2.00	0.208	
Toluene*	<0.050	0.050	08/20/2024	ND	1.93	96.7	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.94	96.9	2.00	0.290	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.75	95.8	6.00	0.423	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 206 @ 4' (H245002-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	1.89	94.4	2.00	3.02	
Toluene*	<0.050	0.050	08/20/2024	ND	1.78	89.1	2.00	3.19	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.85	92.3	2.00	3.29	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.48	91.3	6.00	3.24	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 207 @ 4' (H245002-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	1.89	94.4	2.00	3.02	
Toluene*	<0.050	0.050	08/20/2024	ND	1.78	89.1	2.00	3.19	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.85	92.3	2.00	3.29	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.48	91.3	6.00	3.24	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 208 @ 4' (H245002-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	1.89	94.4	2.00	3.02	
Toluene*	<0.050	0.050	08/20/2024	ND	1.78	89.1	2.00	3.19	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	1.85	92.3	2.00	3.29	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	5.48	91.3	6.00	3.24	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 209 @ 4' (H245002-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 210 @ 4' (H245002-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 211 @ 4' (H245002-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 212 @ 4' (H245002-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 213 @ 4' (H245002-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 214 @ 4' (H245002-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7520	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: FL 215 @ 4' (H245002-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7840	16.0	08/20/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 7 (H245002-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 8 (H245002-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: NW 9 (H245002-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	206	103	200	5.36	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	195	97.5	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 66.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: SW 9 (H245002-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	211	106	200	6.79	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: WW 1 (H245002-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	211	106	200	6.79		
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	6.18		
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND						

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/16/2024	Sampling Date:	08/16/2024
Reported:	08/21/2024	Sampling Type:	Soil
Project Name:	DELAWARE RANCH B1BO FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	20882	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.052213-104.055798		

Sample ID: WW 2 (H245002-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	211	106	200	6.79	
DRO >C10-C28*	<10.0	10.0	08/19/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1BO Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride, TPH (8015M), BTEX (8021B)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: [Signature] Date: 8-16-24 Time: 1447
Received By: [Signature] Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: -4.8°C Corrected Temp. °C: -5.4°C
Sample Condition Cool Intact: [] Yes [] No [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 20882 Project Owner: Mewbourne
Project Name: Delaware Ranch B1BO Flow Line
Project Location: 32.052213, -104.055798
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride, TPH (8015M), BTEX (8021B)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.
Relinquished By: [Signature] Date: 8-16-24 Time: 1447
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [Blank] Yes [Blank] No [Blank] Add'l Phone #: [Blank]
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS: [Blank]
Delivered By: (Circle One) Sampler - UPS - Bus - Other: [Blank]
Observed Temp. °C: -4.8°C Corrected Temp. °C: -5.4°C
Sample Condition Cool Intact [X] Yes [] No [] No
CHECKED BY: (Initials) [PP]
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition Cool Intact [] Yes [] No [] No Observed Temp. °C: [Blank] Corrected Temp. °C: [Blank]



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

August 30, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITESNAKE 20/21 W2BC FEE #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/26/24 14:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/26/2024	Sampling Date:	08/23/2024
Reported:	08/30/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.296191-104.11026		

Sample ID: DELAWARE RANCH PIT SAMPLE (H245178-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/27/2024	ND	448	112	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	08/27/2024	ND	188	94.0	200	3.41	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.4	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us
To: [Connor Walker](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 370033
Date: Friday, August 2, 2024 4:16:22 PM

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/07/2024 @ 08:00

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios

Phone: 432-701-8602

aaronr@etechenv.com

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: OCDOnline@state.nm.us
To: [Connor Walker](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 370035
Date: Friday, August 2, 2024 4:17:42 PM

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/08/2024 @ 08:00

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios

Phone: 432-701-8602, aaronr@etechnv.com

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
To: [Connor Walker](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 370036
Date: Friday, August 2, 2024 4:18:52 PM

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/09/2024 @ 08:00

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios

Phone: 432-701-8602

aaronr@etechenv.com

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372543
Date: Monday, August 12, 2024 12:16:29 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:15 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372543

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 9:38 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372543

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/14/2024 @ 10:00

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372553
Date: Monday, August 12, 2024 12:16:31 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:15 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372553

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 9:44 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372553

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/15/2024 @ 08:00

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372559
Date: Monday, August 12, 2024 12:16:39 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:15 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372559

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 9:47 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372559

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/16/2024 @ 08:00

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372561
Date: Monday, August 12, 2024 12:16:44 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:15 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372561

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 9:51 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372561

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/19/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372565
Date: Monday, August 12, 2024 12:16:50 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:15 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372565

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 9:55 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372565

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/20/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372568
Date: Monday, August 12, 2024 12:16:57 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:15 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372568

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 9:59 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372568

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/21/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372571
Date: Monday, August 12, 2024 12:17:03 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:16 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372571

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:02 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372571

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/22/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372579
Date: Monday, August 12, 2024 12:17:12 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:16 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372579

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:05 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372579

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/23/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372588
Date: Monday, August 12, 2024 12:17:18 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:16 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372588

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:09 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372588

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/26/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372600
Date: Monday, August 12, 2024 12:17:29 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:16 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372600

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:12 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372600

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/27/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

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- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372608
Date: Monday, August 12, 2024 12:17:30 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:16 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372608

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:15 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372608

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/28/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372613
Date: Monday, August 12, 2024 12:17:41 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:16 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372613

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:17 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372613

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/29/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

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New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372615
Date: Monday, August 12, 2024 12:17:41 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:16 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372615

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:19 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372615

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 08/30/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372617
Date: Monday, August 12, 2024 12:17:47 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:17 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372617

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:22 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372617

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 09/02/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

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New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Lance Crenshaw](#)
To: [Matthew A. Grieco](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372619
Date: Monday, August 12, 2024 12:17:52 PM

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Monday, August 12, 2024 11:17 AM
To: Lance Crenshaw <lance@etechenv.com>
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372619

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 12, 2024 10:24 AM
To: Jeff Broom <jbroom@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372619

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2421554026.

The sampling event is expected to take place:

When: 09/03/2024 @ 07:30

Where: O-11-26S-28E 0 FNL 0 FEL (32.05209,-104.05617)

Additional Information: Aaron Rios
(432)701-8602

Additional Instructions: From the intersection of US-285 and White City Rd, (GPS: 32.061250,-104.065759) Head S on US-285 for 03 miles, E for 49 miles, S around loop for 03 miles. E for 05 miles, Proceed S on the ROW for 57 miles, Release is in the pasture to the E. Delaware Ranch B1bo Flow Line (GPS: 32.052213,-104.055798)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in**

date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

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New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 399565

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421554026
Incident Name	NAPP2421554026 DELAWARE RANCH SWD LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Delaware Ranch SWD Line
Date Release Discovered	07/23/2024
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 145 BBL Recovered: 0 BBL Lost: 145 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 399565

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 08/02/2024
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 399565

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	12400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	35.4
GRO+DRO (EPA SW-846 Method 8015M)	35.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	07/29/2024
On what date will (or did) the final sampling or liner inspection occur	08/16/2024
On what date will (or was) the remediation complete(d)	09/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	48825
What is the estimated volume (in cubic yards) that will be reclaimed	7183
What is the estimated surface area (in square feet) that will be remediated	48825
What is the estimated volume (in cubic yards) that will be remediated	10056

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 4

Action 399565

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff Facility
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 11/05/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 5

Action 399565

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 399565

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	372619
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/03/2024
What was the (estimated) number of samples that were to be gathered	200
What was the sampling surface area in square feet	38000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	48825
What was the total volume (cubic yards) remediated	10056
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	48825
What was the total volume (in cubic yards) reclaimed	7183
Summarize any additional remediation activities not included by answers (above)	Please see attached Closure report for complete list of remediation activities.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 11/05/2024
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QUESTIONS, Page 7

Action 399565

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 399565

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 399565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2421554026 DELAWARE RANCH SWD LINE, thank you. This Remediation Closure Report is approved.	12/13/2024